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VALPARAISO UNIVERSITY BULLETIN

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FORTY-FOURTH
ANNUAL CATALOG
1917---1918

VALPARAISO, INDIANA



PRELIMINARY EDUCATION BLANK

BRANCHES OF STUDY	No. of Weeks Pursued	No. of Periods a Week	Length of Periods in Minutes	Grade Given
Composition and Rhetoric.....				
History of English Literature.....				
English Classics.....				
History of American Literature.....				
Latin, Elementary.....				
Caesar..... Books				
Cicero..... Books				
Virgil..... Books				
Composition..... Pages				
German.....				
French.....				
Greek.....				
Algebra.....				
Algebra Through Quadratics.....				
Algebra Through Logarithms.....				
Geometry, plane.....				
Geometry, solid.....				
Trigonometry.....				
History, U. S.				
History, General.....				
Gvics.....				
Physics.....				
Laboratory.....				
Chemistry.....				
Laboratory.....				
Zoology.....				
Laboratory.....				
Botany.....				
Laboratory.....				
Physiology.....				
Laboratory.....				

EXPENSES ARE LESS HERE THAN AT ANY OTHER
INSTITUTION OF LEARNING IN THE LAND

The Forty-fourth Annual Catalog

OF

Valparaiso University

VALPARAISO, INDIANA

FOR THE YEAR

1917-1918

One of the Largest Institutions of Learning
in the United States

Published by the University

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CALENDAR FOR THE YEAR 1917-1918

FALL QUARTER

September 18, 1917, to December 6, 1917

September 18. Tuesday. Fall Quarter opens 8:30 a. m.

Organization of classes and assignments made.

October 2. Tuesday. School of Dentistry opens.

November 29. Thursday. Thanksgiving Holiday.

December 4. Tuesday. Quarterly examinations begin.

December 6. Thursday. Fall Quarter closes.

WINTER QUARTER

December 11, 1917, to February 28, 1918

December 11. Tuesday. Winter Quarter opens 8:30 a. m.

Organization of classes and assignments made.

December 25. Tuesday. Christmas Holiday.

February 26. Tuesday. Quarterly examinations begin.

February 28. Thursday. Winter Quarter closes.

SPRING QUARTER

March 5, 1918, to May 23, 1918

March 5. Tuesday. Spring Quarter opens 8:30 a. m.

Organization of classes and assignments made.

May 21. Tuesday. Quarterly examinations begin.

May 23. Thursday. Forty-fifth Annual Commencement, 10:30 a. m. Spring quarter closes.

SUMMER QUARTER

May 28, 1918, to August 15, 1918

May 28. Tuesday. Summer Quarter opens 8:30 a. m.

Organization of classes and assignments made.

June 11. Tuesday. Special term opens for Indiana Teachers.

August 13. Tuesday. Quarterly examinations begin.

August 15. Thursday. Summer Quarter closes.

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VALPARAISO UNIVERSITY

VALPARAISO, INDIANA

Was founded September 16, 1873, with three departments, four instructors, thirty-five students, and a part of what is now known as the Old College Building.

The founders, realizing that a great majority of young people are prevented from attending higher institutions of learning on account of the enormous expense, and in many cases on account of the impractical courses of study, resolved to establish an institution where rich and poor would have an equal chance; where *work*, not *wealth*, would be the standard; in fact, where all would have the opportunity of obtaining a thorough, practical education at an expense within the reach of those having the most modest means.

In order to accomplish this it was necessary

1. *That the instruction should be of the highest order.*
2. *That, in order to save time, the Institution should be in session the entire year.*
3. *That everything that would in any way detract from actual school work should be eliminated.*
4. *That the work should be thoroughly practical.*
5. *That the equipment should be complete.*
6. *That the expenses should be the very lowest.*

Growth—Each succeeding year the attendance has been greater than that of the previous year. From an enrollment of 35 students the attendance has increased to an annual enrollment of more than 5,000 students; from 3 departments to 22 departments; from 4 instructors to 220 instructors; from a part of the Old College Building to 11 large school buildings, including the 3 buildings in Chicago for medical and dental work; from very meager laboratories to laboratories that now accommodate 600 students working at one time, or 1,800 daily; from a library of a few hundred books to one of more than 15,000 choice works of reference. The University also maintains two farms for the work in agriculture, a small tract of seventeen acres, and the Pinney Foundation Farm of four hundred acres.

Steady growth and unparalleled prosperity could not continue for nearly half a century unless the work offered and the equip-

ment furnished were such as to satisfy the real needs of the average student.

Location—The University is located at Valparaiso, a prosperous city of Northern Indiana, fourteen miles south of Lake Michigan and forty-four miles southeast of Chicago. Valparaiso is surrounded by a beautiful farming country and is situated on one of the highest points in the northwestern part of the state. This gives the city an abundance of fresh air and the best of drainage.

When the University was founded, what is known as College Hill was a "Commons". Now the entire space is occupied by University buildings, dormitories and hundreds of residences. Then there was but one railroad, now there are three. When the Institution was founded, Valparaiso had a population of about 2,500, now it has a population of more than 8,000, not including the students. The city is supplied with all modern improvements—electric light, gas, and an extensive system of sewerage, paved streets and one of the most complete systems of waterworks anywhere to be found. The water, which is obtained from a lake three miles north of the city, is pronounced by chemists to be exceptionally pure.

How to Reach Valparaiso—Valparaiso has three railroads; the Pittsburgh, Fort Wayne and Chicago (Pennsylvania), the Grand Trunk, and New York, Chicago and St. Louis (Nickel Plate). All North and South lines make easy connection with these roads, and trains can be obtained almost hourly to and from Chicago.

The City of Schools and Churches—Eight of the more prominent churches are represented in Valparaiso. They have beautiful and modern buildings, with a seating capacity ranging from 400 to 1,500. The Sunday Schools and Young People's Societies in connection with each are well attended. The students are always very welcome to all of the church services. The Young Men's and Young Women's Christian Associations in connection with the University are among the largest in the state.

Care of Students—Ever since the organization of the Institution, there have been dormitories for women and dormitories for men, but it has not always been possible to accommodate all in separate buildings. The Institution now has ample buildings and can provide all women with accommodations in dormitories and private houses. No woman is permitted to take rooms in buildings not approved by the faculty. Each of the large dormitories is in charge of an experienced matron, who gives her

entire time to the care of the occupants of the building. The Y. W. C. A. is in charge of a secretary, who gives her time to the Spiritual and Social life of the organization, and its board of managers provides entertainments, receptions, lectures and various kinds of wholesome recreation for the young women. There are no sororities of any kind, nor do the students attend public or private dances or other social functions that are not approved.

Equal care is given to the men of the University. Their dormitories are in charge of secretaries who look after their interests in every way. The Y. M. C. A. also has a secretary, who, with certain members of the faculty, acts as a board to provide suitable entertainment and recreation. The same regulations with reference to fraternities, dances and other entertainments apply to the men as to the women.

The students and faculty are one, not only in their student life but in their social life as well.

Should a student become sick while attending the University, he is given immediate and careful attention. When necessary, nurses are provided at very little expense to the student, and the parents or guardian notified, so that no fears need be entertained that he will be neglected, or that his sickness will be kept secret.

Valparaiso has an excellent hospital to which all cases of emergency may be taken. The students are given the best of attention here at very reasonable rates.

The members of the faculty make report of absentees, of those who are not progressing satisfactorily, of those who need private help, and of any cases of sickness. These are given immediate attention and every necessary want is supplied.

Societies—There are many literary societies in connection with the University. They give excellent literary and musical programs. Prominent among these are the Bethany Society, the Catholic Society, the Commercial Society, the Engineering Society, the German Society, the Lithuanian Society, the Menorah Society, the Prohibition League, the Student Congress, and many state societies.

Athletics—University Field comprises fifteen acres and contains a quarter mile cinder track, baseball diamond and fifteen tennis courts. Adjoining the Field is the Gymnasium, which while not entirely complete, offers excellent facilities for basketball and other student events. The building seats 1,500 people.

The Student Council—The Student Council is an organization of students elected by the various classes of the Uni-

versity. This body meets once a week and controls in a very large measure the activities of the student. The faculty is represented by one member who is annually appointed by the President of the University.

Student Publications—"The Torch" is a weekly publication owned and published by the students. The control of the paper is vested in the Student Council. Students who are interested in newspaper work will find in "The Torch" an excellent opportunity for practical experience in newspaper writing. The paper has several departments and requires the help of many assistants.

"The Record" is an annual publication. It is also under the control of the Student Council. It is written and arranged by students selected from the senior class, and contains a record of the principal events of the college year. It is the "year book" of the senior class and it is much prized by all of the graduates.

The University Year—The University year is divided into four quarters of twelve weeks each.

New classes are formed in a majority of the subjects each quarter. This makes it possible for a student to enter the University at the beginning of any quarter and get such work as he may desire. In the Music and Preparatory Departments students may begin work at any time, but even here it is advised, if possible, to enter at the first of the quarter.

The above does not apply to the Schools of Law, Medicine and Dentistry, in which admission is permitted only at the beginning of each year.

Requirements for Entrance—The University maintains a complete and thoroughly equipped High School Department, admission to which there are no entrance requirements. However, in the higher departments, such as Arts and Sciences, Education, Law, Engineering, Pharmacy, and Medicine certain requirements for entrance are demanded which are set forth under the head of each department. Students are advised to familiarize themselves with the work required and offered by the department in which they expect to do work before entering the University.

The University does not admit to any of its departments anyone under sixteen years of age.

Registration—All students are required to register before beginning work. By registering is meant the payment of tuition fees and the presentation of preliminary education credits. Upon

entering the University the student must present all his credentials to the Registrar unless they have been previously sent. His course of study for the quarter is then approved and he receives a card admitting him to the classes.

A preliminary education blank will be found in the front of this catalog. The student is requested to have this blank filled out before entering. Duplicate blanks may be obtained by addressing the Registrar of Valparaiso University, Valparaiso, Indiana.

Number of Studies—The University is organized on a four study basis. This means that four subjects with five recitations each a week represent full work. No person will be allowed to take a fifth subject if he has made lower than a "B" in the previous quarter's work. The following scale is used by the University for grading: A, excellent; B, good; C, fair-passed; D, conditioned; and E, failed.

Diplomas—The University is regularly chartered and confers the usual degrees.

Time Required for Graduation—The time required for the completion of any one of the courses of study depends entirely upon the previous preparation made by the student. In order, however, to receive a degree from any of the higher courses, it is necessary for the student to be a resident of this University at least one year.

Course of Study—The regular courses of study will be found in the following pages. It is not necessary that students remain consecutive years (although this is always desirable) as the classes are so arranged that the student may drop out for a quarter, or a year, as the case may be, then return, and take up his studies where he left off with very little inconvenience.

Time Given—It must be remembered that a school year here means forty-eight weeks, with daily recitations in each subject of fifty-two minutes each. There are short vacations and few holidays. This enables the student to do one and one-third year's school work in each calendar year.

Examinations for Advanced Standing—Any student desiring to take an examination for advanced standing will apply not later than Saturday of the tenth week of any quarter at the College office for such examination. He will pay \$3.00 examination fee for each subject to be taken. The examination will cover four hours. The date will be Friday immediately following the end of any

quarter. A passing grade from this examination will be accepted by the University as a credit. Rules for the conduct of this examination may be had at the office at any time.

No credit will be issued to a candidate who is not already qualified to take work in the department in which he takes the examination.

The above does not apply to examinations for the removal of conditions.

University Regulations—I. Students may enter the University at any time by paying tuition for one quarter from time of entrance. **II.** Should students pay for more than one quarter, and be obliged to leave, all tuition excepting for the quarter then in progress will be refunded. Tuition for a broken quarter is not refunded. This does not apply to the School of Medicine and the School of Dentistry, in which tuition for the current year is not refunded. **III.** When money for board is advanced, and the student is obliged to leave before the time expires for which payment is made, weekly rates are charged to the time of leaving, the balance refunded. **IV.** In case of sickness, or an absence of more than three weeks, the student will receive from the Secretary of the Board of Trustees a certificate which will entitle him to the unused time, which may be made up at any quarter. No certificate is transferable. **V.** Should it be necessary for a student to be absent from a class he must secure an excuse from the President. **VI.** The University holds itself accountable for the morals of the student as far as possible, and the utmost care is used that no improper associations may be formed. **VII.** Students will be dismissed for neglect of duty or for improper conduct. The authorities reserve the right to interpret what shall be considered improper conduct. **VIII.** Inasmuch as the success and welfare of the student depends upon the University having entire control of his time and associations, he will also be dismissed for engaging, without permission of the President, in any course of instruction, study, or business enterprise outside of the University. **IX.** All students will be received, or dismissed, at the discretion of the President.

Public announcements concerning these regulations are made at the opening of every quarter, so that students may always be thoroughly informed concerning them.

The University realizes that it can have its greatest prosperity only when other institutions of learning are prospering, and it has always been its policy to work in harmony with all other schools.

LECTURES AND ENTERTAINMENTS

Among the lectures and entertainments during the past year were the following:

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| "An Ideal Democracy," Miss Lutie E. Stearns,
Milwaukee, Wisconsin. | May 2, 1916 |
| "Translating of Scriptures," Prof. Max. L. Margolis,
of the Dropsie College, Philadelphia,
Pennsylvania. | May 4, 1916 |
| Concert, the University Orchestra, Frank E. Kendrie,
Conductor. | May 11, 1916 |
| "Clever Jane," by the students of the School
of Public Speaking. | May 12, 1916 |
| Concert, The Williams' Colored Singers. | May 16, 1916 |
| "The Man Who Cares," Prof. Frank J. Miller
of the University of Chicago. | May 21, 1916 |
| "Astronomy, Its Wonders and Development in the
Last Thirty Years," Dr. John Anderson,
of Johns Hopkins University. | June 9, 1916 |
| "Progress in Education," Dr. A. E. Winship,
Boston, Mass. | June 13, 1916 |
| "Character Building in Education," Dr. John D.
Shoop, Supt., Chicago City Schools,
Chicago, Illinois. | Aug. 17, 1916 |
| "Education and Character," Father Daly,
Milwaukee, Wis. | Oct. 11, 1916 |
| "Cultivation of Medical Plants," Dr. W. W. Stock-
berger, Bureau of Plant Industry,
Washington, D. C. | October, 1916 |
| "Captain Letterblair," Marguerite Merrington. | Nov. 9, 1916 |
| Cantata, "Bethlehem," University Choir. | Nov. 24, 1916 |
| "Wheezy Bellows," Dr. W. D. Zoethout, of the
Faculty. | Dec. 30, 1916 |
| "Personal Experiences with Armies of Europe,"
H. L. Heinzman, of Denver, Colorado. | Jan. 4, 1917 |
| "Indication in Architectural Design," Mr. David Varon,
Architect, Lecturer, New York City. | Jan. 9, 1917 |
| "From Ore to Finished 'National' Pipe," H. G. Texter,
of National Tube Co., Pittsburgh, Pa. | Jan. 12, 1917 |
| "League to Enforce Peace," Hamilton Holt,
Editor, New York Independent. | Jan. 15, 1917 |

- "The Copper and Nickel Industry of Sudbury, Ont.,"
Dr. W. Grant, Chemist, Illinois Steel Works,
Gary, Ind. Jan. 19, 1917
- "Hamlet," Henry Lawrence Southwick. Jan. 20, 1917
- "Fascinating Fanny Brown," by the Students of the
School of Public Speaking. Feb. 5, 1917
- Concert, The University Orchestra, Frank E. Kendrie,
Conductor. Feb. 20, 1917
- "Alfalfa," H. S. Mobly, with the International
Harvester Company, Chicago, Illinois. Feb. 22, 1917
- "To the Shining Mountains and the Sunset Sea,"
Gilbert McClurg, Colorado Springs, Colo. March 29, 1917
- "University Circus," by the Students of Valparaiso
University. March 30, 1917
- Concert, by Helen Axe Brown-Stephens, soprano; Frank
E. Kendrie, violinist, and Clarence Loomis,
pianist. April 2, 1917
- Concert, by the University Band, G. W. Lloyd Plette,
Director. April 5, 1917
- "The European Situation Today," Dr. John M.
Driver, D. C., Ph. D., LL. D., of Chicago. April 21, 1917
- "The Burden We Bear," Dr. Amos Butler,
Sec'y Indiana Board of Charities,
Indianapolis, Indiana. May 3, 1917
- "The Conservation of Health," Dr. W. A. Evans,
Chicago Tribune Health Dept. May 12, 1917
- "White Lies," by the Students of the School of
Public Speaking. May 14, 1917

EXPENSES

Tuition—The tuition is \$20 per quarter of twelve weeks or \$75 if paid in advance for the entire year of forty-eight weeks. This includes the work in all of the departments except Law, Medicine, Dentistry, Music, and Art, and private lessons in Penmanship and Elocution.

When, however, the full tuition (\$80) is paid for the year in advance, Art and private lessons in Penmanship are included, so that in fact, the one tuition pays for everything except Law, Dentistry, Medicine, Music, and Elocution.

The expenses connected with the above exceptions may be found on the following pages:

Law	152
Medicine	167
Dentistry	171
Music	105
Art	111

Private lessons in Penmanship cost \$2.50 per quarter of twelve weeks and private lessons in Elocution cost \$1.00 per lesson.

When tuition for the year has been paid and the student is obliged to leave, all tuition excepting for the quarter then in progress is refunded. Tuition for a broken quarter is not refunded.

A diploma fee of \$7.50 is charged all graduates of the University excepting those in the Commercial Department and the Department of Phonography and Typewriting. The diploma fee of these departments is \$5.00.

Boarding—The University maintains two grades of board: \$33 and \$36 per quarter of twelve weeks. When paid by the week the price is \$3.50 per week, payable in advance.

Rooms may be had for from \$6 to \$18 per quarter. Except in the University Dormitories, room rent is payable only by the quarter. The University makes an additional charge of 25 cents per week when its rooms are rented by the week. During the Fall, Winter and Spring quarters, \$5.00 per quarter additional is charged for heat.

An idea of the expenses may be had from the following estimate:

		For One Quarter		
	Low	Medium	High	
Tuition	\$20	\$20	\$20	
Board	33	33	36	
Room	11	14	18	
	<hr/>	<hr/>	<hr/>	
Total	\$64	\$67	\$74	
		For Three Quarters		
	Low	Medium	High	
Tuition	\$60	\$60	\$ 60	
Board	99	99	108	
Room	33	42	54	
	<hr/>	<hr/>	<hr/>	
Total	\$192	\$201	\$222	
		For Four Quarters		
	Low	Medium	High	
Tuition	\$ 75	\$ 75	\$ 75	
Board	132	132	144	
Room	39	51	67	
	<hr/>	<hr/>	<hr/>	
Total	\$246	\$258	\$286	

These amounts include board, tuition and well furnished rooms. The difference in the prices is due to a slight change in the character of the board and in the number of rooms. At the lower rates, two students have a single room and wardrobe, and the board consists of an abundance of well prepared food. At the higher rate, two students have a suite of rooms; that is, a study room, bed room and wardrobe, and the board consists of a greater variety of food than at the lower rate. All the newer dormitories have hot and cold water in the rooms, and all dormitories have bath rooms. All rooms, whether single or in suites, are furnished with beds, bedding, chairs, tables and rugs.

The students pay for their light and laundry. The laundry work for the rooms is done by the University. The light need not exceed \$3 per year. Laundry may be had at from 35c to 50c per dozen articles. In connection with all the larger dormitories there are laundries where students may do their own laundry work at very little expense.

Athletics—During the second and third quarters there is always considerable athletic activity in the University. At the be-

ginning of each of these quarters students are asked to contribute \$1.00 toward the support of this work. In return for this contribution they are given a ticket admitting them free to all athletic contests. All moneys thus collected are placed at the disposal of the Student Council, which is in control of all student affairs.

Books—Most books that are used more than one quarter in the year may be rented at a small per cent of retail price, thus saving what is usually a great expense.

Remittances—All remittances should be made by draft, postal money order or express money order. *Please do not use personal checks.* There is always delay in collection, besides there is always cost for the same.

Students are advised to bring enough money to pay their expenses for at least one quarter of twelve weeks.

What to Do on Arriving at Valparaiso—On reaching the city, come directly to the President's office, which will be found in the University building. Here all necessary information will be given with reference to studies, classes, rooms and boarding.

Students are advised to make no contracts for rooms until the University office has been consulted.

The fare from any of the railroads to the University office is twenty-five cents. Trunk checks should be retained until rooms are selected. Trunks are delivered from any station at the rate of twenty-five cents per trunk.

By adhering to these suggestions much time and annoyance may be saved the student.

DEPARTMENTS

PREPARATORY DEPARTMENT

A Preparatory Department is maintained because the University desires to assist all who are seeking an education. The University believes that the student should have correct training in the common branches, as these form the foundation for advanced work. Many are inclined to neglect this important part of a true education.

The only preparation necessary to enter this department is that the student be able to read the common school texts. Those who are not prepared to enter these beginning classes may receive private instruction until they are able to take class work. This department, as well as others, is in charge of experienced teachers, and just as careful attention is given to the instruction as in the highest department of the University. It is the purpose of this department to give the student a thorough knowledge of the fundamental points of the subjects studied and thus lay a careful foundation for the higher courses of study. Beginning classes are organized in all subjects at the first of every quarter.

Special attention is given in this department to the teaching of foreigners. The work is carefully graded, and the latest and best books for the teaching of English are used.

The success of the students who have studied in this department has been phenomenal. In a very few months they have prepared themselves to enter college work.

All courses in this department are twelve weeks in length, five hours a week.

DESCRIPTION OF COURSES

ARITHMETIC.—Five different courses are offered in Arithmetic. Three of the classes are in Practical Arithmetic; one beginning at the first; one with Fractions and another with Percentage. There are two classes in Higher Arithmetic. One begins directly after Division of Simple Numbers and completes the subject as far as and including True and Bank Discount. Another begins with Percentage and in one quarter completes the work.

Besides these courses, there is a class in Commercial Arithmetic, a class which reviews the entire subject of Arithmetic and a class in Mental Arithmetic and Rapid Calculation. These three

classes are given in the Commercial, High School, and Teacher's Review Departments.

LANGUAGE LESSONS AND GRAMMAR.—The Language lessons give special attention to correct forms of expression and the choice of words and their meaning. There are four classes in English Grammar. The first three are in Elementary Grammar. One begins at the first and covers half of the text. The second finishes the text. The third covers the entire text in one quarter. The fourth class is in Advanced Grammar and belongs to the High School and Teacher's Review Departments.

GEOGRAPHY.—This is a course in Descriptive Geography. Special attention is given to the physical features, the commercial rank and the political and educational standing of each country.

Map-drawing is taught by sketching, by enlarging maps and by moulding. Twenty-four weeks are given to this subject.

UNITED STATES HISTORY.—Twenty-four weeks are given to this work. The first quarter of twelve weeks covers the period from the Discovery of America to the close of Washington's administration. Special attention is given to the Causes and Results of the Revolution, and the formation of the Constitution.

The second quarter deals with the Period of the Administrations. The Growth of Political Parties, Industrial and Territorial Expansion, the Civil War, Reconstruction, and the recent Industrial and Territorial Expansion are the topics especially emphasized.

PHYSIOLOGY.—An elementary course in Human Anatomy, Physiology and Hygiene. Emphasis is placed upon the studies of those structures and activities which arouse an interest in personal hygiene and sanitation. A laboratory fee of 50 cents is charged.

LETTER WRITING AND PUNCTUATION.—Classes in Letter Writing and Punctuation are formed at the beginning and middle of each quarter. These classes are for students who wish to learn correct forms in Business Correspondence and in Social Usages.

READING AND SPELLING.—Special attention is given to these subjects, so often neglected in preparatory schools. No one who is not accurate in spelling and a careful reader can hope to accomplish much in business or professional life. Every student, whether in the Preparatory Department or not, has the privilege of entering these classes.

CIVICS.—The student gets an insight into what the Government is, and its relation to the citizen. A careful analysis is made

with a view of giving to the student a better appreciation of citizenship.

PENMANSHIP.—This work is in charge of a specialist who gives his entire time to this department.

VOCAL MUSIC.—The rudiments of music are studied with a view of properly opening the way to the student for advanced work.

DRAWING.—Twenty-four weeks are given to the study of Drawing. Beginning with elementary work the student is brought to an appreciation of the subject with a good foundation for carrying the work much farther if desired.

HIGH SCHOOL DEPARTMENT

There are many young people who have not been situated where they could have High School advantages, or where for some reason they have not been able to complete their High School course of study. The University maintains a High School Department for such people, and through its charter it is allowed by the State of Indiana to issue official certificates of High School equivalency.

This Department is maintained to meet the needs of persons who wish to become teachers or enter professional schools or classes, or who, for any cause, wish the advantages of a High School education.

15 Units or 45 credits are required for graduation. A unit is defined as thirty-six weeks work in one subject, with recitations five times per week and the recitation periods 52 minutes in length. A credit is one-third of a unit.

Required Work—3 units in English, 1 unit in Algebra, $1\frac{1}{3}$ units in Geometry, 2 units in Science, 2 units in History and Civics, and two units in a Foreign Language are required for graduation. Two quarters of Debating, consisting of 9 nights each, and one quarter of Parliamentary Law are required.

Electives—The other $3\frac{2}{3}$ units or 11 credits may be selected from: Chemistry, Physics, Commercial Law, Bookkeeping and Actual Business, Language, Physiology, Geometry, Biology, Phonography and Typewriting, Commercial Arithmetic, and Music.

The certificate granted upon the completion of this course is equivalent to a diploma from a Commissioned High School.

Full credit will be given for work done in any accredited High School. This enables the student to begin where he left off in another school and finish his course just as soon as the required number of units of work has been completed.

The number of quarters required to finish the course will depend upon the student's previous education and general mental advancement. In order to obtain the best results it is necessary that a definite sequence of studies be pursued.

It is the aim of the University to prepare well all graduates of this department to enter future college and professional work.

DESCRIPTION OF COURSES
MATHEMATICS

All courses are given every quarter.

COURSE A—*Twelve weeks. Five hours.*

ALGEBRA I—Addition, subtraction, multiplication, division, the simple equation, abbreviated multiplication and division, and factoring are studied in this course.

COURSE B—*Twelve weeks. Five hours.*

ALGEBRA II—Fractions, fractional equations, simultaneous equations, graphs, involution and evolution to theory of exponents are the topics studied.

COURSE C—*Twelve weeks. Five hours.*

ALGEBRA III—A brief review of involution and evolution, theory of exponents, radicals, imaginary quantities and quadratics are the subject matter of this course.

Text, Durell, supplemented by any good texts.

PLANE AND SOLID GEOMETRY

COURSE A—*Twelve weeks. Five hours.*

PLANE GEOMETRY I—Introduction. Birthplace of Geometry, and other historical notes of interest. Important uses of the subject today. Books I and II are taught in this course.

COURSE B—*Twelve weeks. Five hours.*

PLANE GEOMETRY II—This term follows Geometry I. More original work is required. Egyptian and Greek Geometry are compared. Important constructions are given. Books II, III, IV and V are finished.

COURSE C—*Twelve weeks. Five hours.*

PLANE GEOMETRY III—This work follows Geometry II. Carefully selected exercises are used to bring out clearly the numerous applications of the basal propositions of Plane Geometry. Difficult constructions. Algebraic analysis. Review of formulas. Introduction to Solid Geometry.

COURSE D—*Twelve weeks. Five hours.*

SOLID GEOMETRY—The course follows Plane Geometry III, and covers the usual propositions of good American text-books. Much work is entirely original. Difficult constructions. An excellent preparation is given for the study of Higher Mathematics. Solid Geometry is finished and Trigonometry is introduced.

Texts in all courses: Durell, Wentworth & Smith, and Wells & Hart.

COURSE—*Twelve weeks. Five hours.*

COMMERCIAL ARITHMETIC—This course is for those who are strong in Arithmetic. Careful attention is given to Percentage:—Interest, Discount, Accounts, Commission, Insurance, and Exchange. Business forms are taught. Analysis is followed by short solutions; abstract arithmetic, by applied arithmetic.

Texts: Moore; Special Problems by Prof. O. E. Damron.

HISTORY

COURSE A—*Twelve weeks. Five hours.*

U. S. HISTORY I—Covers the period from the Discovery of America to the War of 1812. The more salient features emphasized are the Discoveries, Settlements, Formation of the Government, and Establishment of a Stable Nation. Frequent reports.

COURSE B—*Twelve weeks. Five hours.*

U. S. HISTORY II—Emphasizes the Struggle for Liberty on the High Seas, National Expansion, the Rise of the Slave, War with Mexico and the Civil War; Reconstruction, the Second period of National Expansion, the Spanish War, and the Era of Great International Activities, including the World War. Frequent reports.

COURSE C—*Twelve weeks. Five hours.*

CIVICS—The aim is to lead the student to a deeper sense of citizenship through a careful study of the Functions of our Local and National Governments.

Written reports on each one's local government.

COURSE D—*Twelve weeks. Five hours.*

ANCIENT HISTORY—A brief intensive study of the Essentials of Ancient, Oriental and Egyptian Civilization, and Ancient Greece and Rome.

Frequent oral and written reports on special topics.

COURSE E—*Twelve weeks. Five hours.*

MEDIEVAL AND MODERN HISTORY—This course consists of the Dark Ages, the Age of Revival of Culture and Industries, and the Intellectual and Political Revolutions of Modern Nations.

Frequent oral and written reports on special topics.

COURSE F—*Twelve weeks. Five hours.*

MODERN EUROPEAN HISTORY—A general survey of the readjustment of Modern Europe since 1815; the evolution of Political and Social problems and the great issues of the present World Struggle.

Frequent reports on special topics.

NOTE: The best methods are obtained by taking the courses in the order arranged.

All the courses will be given every quarter if there is a demand for them.

ENGLISH

COURSE A—*Twelve weeks. Five hours.*

ADVANCED GRAMMAR—The fundamentals of English Grammar; a thorough drill in using correct speech.

Given every quarter.

COURSE B—*Twelve weeks. Five hours.*

RHETORIC I—The elements of Rhetoric; punctuation, diction, sentence structure, paragraph writing, letter writing.

Text: Elements of Composition—Canby and Updycke.

Given every quarter.

COURSE C—*Twelve weeks. Five hours.*

RHETORIC II—A continuation of Course B. A study of the principles of composition, the theme as a whole, the outline, prosody, description, and narration. Long and short themes required.

Text: Elements of Composition—Canby and Updycke.

Given every quarter.

COURSE D—*Twelve weeks. Five hours.*

RHETORIC III—A continuation of Course C. Note taking, exposition and argumentation, long and short themes.

Text: Elements of Composition—Canby and Updycke.

Given every quarter.

COURSE E—*Twelve weeks. Five hours.*

AMERICAN LITERATURE—Brief historical survey, using special study of several representative American authors.

COURSE F—*Twelve weeks. Five hours.*

ENGLISH LITERATURE—Historical survey of English Literature with emphasis on the periods, movements, literary types and the work of the greater writers.

Text: Long's History of English Literature.

Given every quarter.

COURSES G, H, I, J, K, L, AND M.

A study of the masterpieces of English Literature required for High School work by the National Conference on Uniform Entrance Requirements in English. Each course will be given two quarters each year.

COURSE G—*Twelve weeks. Five hours.*

CLASSICS—Poetry; selections from American poets. Supplementary reading and reports.

COURSE H—*Twelve weeks. Five hours.*

CLASSICS—Essays; selections from Macaulay, Ruskin, Carlyle. Supplementary reading and reports.

COURSE I—*Twelve weeks. Five hours.*

CLASSICS—Shakespeare; four plays. Supplementary reading and reports.

COURSE J—*Twelve weeks. Five hours.*

CLASSICS—Poetry; selections from Goldsmith, Scott, Milton, Palgrave's Golden Treasury. Supplementary reading and reports.

COURSE K—*Twelve weeks. Five hours.*

CLASSICS—Novels; one representative novel from Dickens, Thackeray, and George Eliot.

COURSE L—*Twelve weeks. Five hours.*

CLASSICS—Oratory; selections from Burke, Macaulay, Washington, and Lincoln.

COURSE M—*Twelve weeks. Five hours.*

CLASSICS—Shakespeare (plays not read in Course I) and Scott. Supplementary reading and reports.

GERMAN

COURSES A, B AND C—*Thirty-six weeks. Five hours.*

Elementary German.

Vos—Essentials of German.

Easy German Prose and Poems.

Conversation and Composition.

Given every quarter.

COURSE D—*Twelve weeks. Five hours.*

Easy Prose.

Scherer—Deutsches Lesebuch.

Stockl—Alle Fuenf.

Conversation and Composition.

Given every quarter.

COURSE E—*Twelve weeks. Five hours.*

Prose and Comedy.

Three of the following:

Wildenbruch—Das Edle Blut.

Benedix—Der Prozess.

Fulda—Unter Vier Augen.
Arnold—Fritz and Ferein.
Conversation and Composition.
Classes organized as demanded.

COURSE F—*Twelve weeks. Five hours.*

Wilhelm Tell—Schiller.
Conversation and Composition.
Classes organized as demanded.

LATIN

Students who elect Latin as their foreign language and who expect to continue a College Course are advised to take three units.

COURSE A—*Twelve weeks. Five hours.*

ELEMENTARY LATIN I—D'Ooge's Latin for Beginners. Given every quarter.

COURSE B—*Twelve weeks. Five hours.*

ELEMENTARY LATIN II—D'Ooge's Latin for Beginners. Given every quarter.

COURSE C—*Twelve weeks. Five hours.*

ELEMENTARY LATIN III—D'Ooge's Latin for Beginners concluded. A thorough drill in indirect discourse, participles, gerunds and gerundives. Given every quarter.

COURSE D—*Twelve weeks. Five hours.*

CAESAR I—A little more than half of Book I is translated, with Latin Composition and Review of Paradigms. Given every quarter.

COURSE E—*Twelve weeks. Five hours.*

CAESAR II—The translation of Caesar is continued through Book II, with Latin Composition and the study of Latin Idioms. Given every quarter.

COURSE F—*Twelve weeks. Five hours.*

CAESAR III—Books III and IV are translated. Latin Composition is continued and Paradigms reviewed. Sight Translation is practiced. Given every quarter.

COURSE G—*Twelve weeks. Five hours.*

CICERO I—Pompey's Military Command and Latin Composition. A study of Roman Politics in 66 B. C. Classes organized as demanded.

COURSE H—*Twelve weeks. Five hours.*

CICERO II—Orations against Cataline I, II and III. Latin Composition continued. Especial study is made of conditional sentences. Classes organized as demanded.

COURSE I—*Twelve weeks. Five hours.*

CICERO III—Orations for the Poet Archias and de Senectute. Latin Composition and the study of Syntax are continued. The main emphasis is put upon the literary value of the text read. Classes organized as demanded.

COURSE J—*Twelve weeks. Five hours.*

VOCATIONAL LATIN—A course in English Word Formation. English Scientific Vocabulary developed from Latin sources. This is a High School elective course and is open to students who have had two quarters of Latin. Given every third quarter.

COURSE K—*Twelve weeks. Five hours.*

PHARMACEUTICAL LATIN—This course is intended for students of Pharmacy and Medicine. Second quarter.

Open to students who have had Course A.

BIOLOGY

COURSE A—*Twelve weeks. Five hours. Two hours laboratory.*

BOTANY I—The Morphology and Ecology of Seed Plants. Special attention is given to the subjects which pertain to Agriculture.

A laboratory fee of \$1.00 is charged. Given first and third quarters.

COURSE B—*Twelve weeks. Five hours. Two hours laboratory.*

BOTANY II—The Histological Structure of plants in general and the study of type forms of the Spore plants. Identification of some of the more common weeds, trees and cultivated plants.

A laboratory fee of \$1.00 is charged. Given second and fourth quarters.

COURSE C—*Twelve weeks. Five hours. Two hours laboratory.*

ZOOLOGY I—The Invertebrate Phyla of the animal kingdom are studied in detail. The meaning of animal relationships is emphasized and an introduction to the study of Evolution is given.

The laboratory work consists of dissecting animals representing the different Phyla studied. Complete notes are kept of all laboratory work.

A laboratory fee of \$1.00 is charged. Given every quarter if required.

COURSE D—*Twelve weeks. Five hours. Two hours laboratory.*

ZOOLOGY II—The Phylum Chordata is studied, with special attention given to birds and mammals. Each student is required to write a short paper upon the life of some eminent zoologist.

The laboratory work represents a continuation of that given in Course A.

A laboratory fee of \$1.00 is charged. Given second, third and fourth quarters.

COURSE E—*Twelve weeks. Five hours.*

PHYSIOLOGY—An elementary course in Human Anatomy, Physiology and Hygiene. Emphasis is placed upon the study of those traits and activities which arouse an interest in personal Hygiene and Sanitation.

A laboratory fee of 50 cents is charged. Given first and third quarters.

PHYSIOGRAPHY

COURSE A—*Twelve weeks. Five hours.*

Special emphasis is placed on the study of atmospheric phenomena and their effects. The distribution of land and water, the position of mountains, plateaus, and lowlands, and their meaning are given careful attention. Classes organized as demanded.

CHEMISTRY

COURSE A—*Twelve weeks. Five hours. Three hours laboratory.*

INORGANIC CHEMISTRY I—This is essentially a High School course intended to give the student preliminary work in Chemistry. It introduces certain appropriate principles with their practical application. The main object is to awaken interest in the interpretation of new phenomena.

An appropriate laboratory course accompanies the class work.
Text: Smith's Elementary Chemistry.

A laboratory fee of \$2.00 is charged. Given first and third quarters.

COURSE B—*Twelve weeks. Five hours. Three hours laboratory.*

INORGANIC CHEMISTRY II—Continuation of Course I. This course includes a study of the common metals and carries with it laboratory experiments as in the preceding course.

Text: Smith's Elementary Chemistry completed.

A laboratory fee of \$2.00 is charged. Given second and fourth quarters.

COURSE C—*Twelve weeks. Five hours recitation and laboratory.*

An elementary course in chemical analysis. Lectures and recitation work, alternating with laboratory practice.

A laboratory fee of \$2.00 is charged. Given first and third quarters.

A breakage fee of \$1.00 is added to each laboratory fee. This will be returned, less individual breakage.

PHYSICS

COURSE A—*Twelve weeks. Five hours. Two hours laboratory.*

This course consists of a brief introduction to the subject, a study of the fundamental properties of matter, dynamics and mechanics of solids and fluids.

Pre-requisite—Algebra I.

A laboratory fee of \$1.50 is charged. Given every quarter.

COURSE B—*Twelve weeks. Five hours. Two hours laboratory.*

This course is also an elementary course, a continuation of Course A. The topics pursued are waves, thermometry, expansion, and transfer of heat energy.

Pre-requisite—Course A.

A laboratory fee of \$1.50 is charged. Given every quarter.

COURSE C—*Twelve weeks. Five hours. Two hours laboratory.*

This course is a continuation of Course B, completing the High School work in Physics. The subject matter consists of selected studies in magnetism, electricity, sound and light.

Pre-requisite—Course B.

A laboratory fee of \$1.50 is charged. Given second, third and fourth quarters.

COMMERCIAL DEPARTMENT

This department has been organized for the purpose of giving the student a thorough knowledge of Commercial subjects in as short a time as possible. The work is especially attractive to the student who has not had the advantage of a liberal education. It gives him a review of the common school branches and an excellent preparation to enter business life.

This course of study is open to all students of the University. They may take the whole course or any part of it that they may choose.

The advice of the best business men from many of the large cities of the United States has been obtained in the organization of this department. As a result of this advice, everything unnecessary has been eliminated and the useful only retained. The work is conducted on the *Actual Business Plan*, which has everywhere been admitted to be nearest to real work.

The common saying, "no matter if you have completed a Commercial Course at College, you will have to learn it over before you can keep books," does not apply to the work here, as will be attested at any time by the successful business done in all of the large cities where graduates of the University are employed.

Large and commodious rooms are provided for the accommodation of the students of this department. The rooms are equipped with a complete set of offices, and everything is furnished which will aid in making the work of the greatest practical value.

Different cities are represented by the different sets of offices, and the work is transacted in the same way as in actual business. The student is thus prepared to take a position in the bank or counting house or store of today without further preparation. He has the practice as well as the theory.

An idea of the completeness of this course can best be gained by means of the following brief outline:

The student enters the Elementary or Theoretical Course. He begins by making Day Book and Journal Entries, opening and closing the Ledger, both Single and Double Entry. He becomes acquainted with all forms of Invoices, Bills and Discounts, with the books and forms as used in Commerce and Shipping, Partnership and Banking.

Commercial Arithmetic, Commercial Law, Commercial Cor-

responsdence, English Grammar and Debating are other subjects studied.

After completing the Theoretical part, the student enters the Practical Course. Here he is furnished with Manuscript Work. All of this work is inspected by the instructor in charge and nothing is permitted to pass that is not perfect in every respect. There are four banks. The settlements are made through the clearing house the same as in the large cities. This gives the student a thorough knowledge of exchange and business principles.

A fee of \$5.00 is charged those entering the Practical Department. This fee includes graduation.

In addition to Banking, the following offices are maintained: Real Estate; Insurance; Commission; Transportation and Shipping; Jobbing and Importing; and Merchants' Emporium. The student is taught to conduct each in a thorough, businesslike manner.

DESCRIPTION OF COURSES

COMMERCIAL LAW—The work in this subject includes the thorough discussion of all Principles of Contracts, Partnership, Agencies and Corporations; in fact, all the law points with which a business man should be acquainted. The student acts as a Notary Public in preparing a budget of papers necessary for the appointment of a Guardian, an Executor, or a Commissioner for the sale of Real Estate and partition of estates.

Twelve weeks.

BOOKKEEPING—The work in Bookkeeping also includes an examination of books and accounts with the view of detecting defalcations, error or misapplication of funds; also the different plans for auditing and examining books. In fact, just such work is given as will prepare the student for a position as Expert Bookkeeper. Twenty-four weeks.

COMMERCIAL ARITHMETIC—This course is for those who are already strong in Arithmetic. Careful attention is given to Percentage, Interest, Discount, Accounts, Commission, Insurance and Exchange. Business forms are taught. Analysis is followed up by Short Solutions; abstract arithmetic, by applied arithmetic.

Texts: Moore; Special Problems by Prof. O. E. Damron.
Twelve weeks.

RAPID CALCULATION—This is a course in Mental Arithmetic. Rapid commercial calculations are given in drills. Short cuts are presented. Methods of proving addition, subtraction and division are taught. Accuracy and speed are demanded. Six weeks.

LETTER WRITING—Classes in Letter Writing are formed at the beginning and middle of each quarter. These classes are for students who wish to learn correct forms for Business and Social Usage. Six weeks.

PENMANSHIP—A course in Plain and Business Penmanship is required in this department and is given without extra charge. Twelve weeks.

A Special Course in this subject is advised for all who can spare time for the work. This course embraces plain writing, fancy writing, card writing, flourishing and lettering, designing, specimen work, and preparing pen work for photo engraving. The classes in this subject are in charge of a specialist who gives it his entire time. Should the student desire to give much time to this work he can be with the instructor five hours per day. A fee of \$2.50 is charged for the Special Course.

ENGLISH GRAMMAR—A thorough review of the subject is given in this course. The student is taught to analyze the sentence and to detect the common errors in speech. Twelve weeks.

MACHINE BOOKKEEPING—During the last few years great strides have been made in Machine Bookkeeping. An adding-subtracting typewriter has recently been installed to prepare students to do this class of work. The work was outlined by an expert employed by one of the large typewriter companies, and is thoroughly up-to-date and practical. This course is open to students having a knowledge of Typewriting and Bookkeeping. A fee of \$1.00 is charged. Twenty hours.

ADDING—In order that the student may become familiar with the Adding Machine, a course of fifteen hours instruction is offered. This course should prove especially valuable to those who intend to become bookkeepers. A fee of \$1.00 is charged.

The following may be taken as a general outline of the course of study:

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER
Arithmetic	Commercial Arithmetic	Commercial Law
Grammar	Bookkeeping	Penmanship
Bookkeeping	Actual Business	Adding Machine
Penmanship	Penmanship	Expert Bookkeeping
Debating	Rapid Calculation	Typewriting
Letter Writing	Debating	

DEPARTMENT OF SHORTHAND AND TYPEWRITING

The demand for good stenographers has been so great that for many months the University has not been able to fill all the calls that have been made upon it for persons qualified to do stenographic work. The entrance salaries now paid by the U. S. Government to capable stenographers is \$900 to \$1,200 a year, and advancement is reasonably rapid.

The aim of the Department has always been to train students for the better class of positions. Realizing that a mere knowledge of shorthand and typewriting is a small part of the good stenographer's education, the course is so arranged that the student may devote a share of his time to other lines of work. Courses in Grammar, Rhetoric, Literature and Commercial subjects are especially beneficial. While one may become competent to hold a position in thirty-six weeks, it is recommended that the student devote forty-eight weeks to shorthand and auxiliary studies.

This Department is located on the top floor of the new Vocational Building. The rooms are large, light and airy. The equipment is complete and modern. New typewriters have been installed this year.

SHORTHAND—Instruction is given by an expert court reporter and teachers who have had actual office experience. The classes are so arranged that the student may enter at any time, and those who have previously studied the art may continue without interruption from the point already attained.

Pupils receive dictation from many kinds and classes of business letters, editorials, legal forms and court testimony.

Classes recite ten hours each week.

STENOTYPY—Stenotypy, the machine way in shorthand, is fast winning its way with business men over the country. It is easy to learn, rapid and legible. Although the classes meet ten hours per week, but little study outside of the class room is necessary. This allows the student to devote more time to typewriting and other subjects.

A fee of \$3.00 is charged for the use of the Stenotype.

TYPEWRITING—*Actual* touch typewriting is taught. Blank key-boards are used. After thoroughly memorizing the key-board, the student is required to do plain copying, arrange business letters, write legal forms, tabulate, copy from rough draft, cut stencils, make carbon copies, bill, and mimeograph. In the latter part of the course, pupils take dictation direct on the typewriter and spend a large portion of their time in transcribing their shorthand notes.

A fee of \$2.50 is charged for the use of the typewriter two hours each day for one quarter. Additional hours cost \$1.25 per quarter. The typewriting room is open to all students in the department Saturday mornings without additional charge.

MACHINE BOOKKEEPING—During the last few years great strides have been made in machine bookkeeping. An adding-subtracting typewriter has recently been installed to prepare students to do this kind of work. The work was outlined by an expert employed by one of the large typewriter companies, and is thoroughly up-to-date and practical. This course is open to students having a knowledge of typewriting and bookkeeping. Four weeks are required to complete the course. A fee of \$1.00 is charged.

ADDING—In order that the student may become familiar with the adding machine, a course of fifteen hours instruction is offered. This course should prove specially valuable to those who intend to become bookkeepers.

A fee of \$1.00 is charged.

TEXTS USED:

Pitman's Revised Manual of Phonography.

Dement's Pitmanic Shorthand.

Reigner's Dictation Course in Business Literature.

Gregg Manual.

Stenotypy.

Stenotype Practice Book.

Rational Typewriting.

The length of time necessary for the completion of this course of study varies with the previous preparation of the student. Three or four quarters is the time generally required to prepare the student to take dictation and do general office work.

A diploma will be given to all who satisfactorily complete the work in this department. The diploma fee is \$5.00.

COURSE OF STUDY

FIRST QUARTER

Shorthand or Stenotypy
Typewriting
Grammar
Penmanship

SECOND QUARTER

Shorthand or Stenotypy
Typewriting
Reading-Spelling
Adding Machine Practice
Debating

THIRD QUARTER

Shorthand or Stenotypy
Typewriting
Rhetoric I
Debating

FOURTH QUARTER

Shorthand or Stenotypy
Typewriting
Rhetoric II
Commercial Arithmetic
Mechanical Bookkeeping

REVIEW DEPARTMENT FOR TEACHERS

Teachers may take work in any department for which they are prepared.

Teachers who come from those states which allow people to teach before they have finished the High School, and who have not finished a High School course, will find the University High School Department peculiarly adapted to their needs. They can take the work in this department, obtain credit for it, and at the same time prepare themselves for teaching in their home locality.

Those who have finished a High School course should take work in the College Department. College credit will not be given for work done in the High School Department. Nearly everyone can find the work he desires. Every quarter there are classes in Arithmetic, Algebra, Geography, Grammar, History, English, Latin, German, and the Natural Sciences.

During the summer quarter classes will be given in English Grammar, Geography, Review Arithmetic, Physiology and United States History, for which college credit will be given.

COURSE I—*Twelve weeks. Five hours.*

REVIEW ARITHMETIC—The whole subject of Arithmetic is reviewed in one quarter. The student is given a thorough analysis of the fundamentals involved in each part of the subject. Particular attention is given to Fractions, Denominate Numbers, and Percentage.

Given first three quarters, for High School credit.

COURSE II—*Twelve weeks. Five hours.*

ARITHMETIC FOR ADVANCED STUDENTS—Particular attention is given to the fundamental principles involved in the study of Fractions, Denominate Numbers, Percentage and all of its applications. Analysis and short practical forms for the solution of the more difficult problems are given. Revenues, Insurance, Partnership, Allegation, Involution and Evolution and Mensuration are given particular emphasis.

Given summer quarter only, for college credit.

COURSE I—*Twelve weeks. Five hours.*

REVIEW GRAMMAR—The work of this class consists of a thorough review of the subject. The parts of speech are carefully reviewed, and the difficult points in the classification of Phrases and Clauses and the study of Verbs are given special attention.

Given first three quarters, for High School credit.

COURSE II—*Twelve weeks. Five hours.*

GRAMMAR FOR ADVANCED STUDENTS—The Inductive Method is carefully taught in the making of Definitions, and in analyzing the elements of the Sentence. The relation between the Idea and the Word, the Thought and the Sentence is fully explained; and the most difficult sentences in prose and poetry are carefully analyzed. The many grammatical uses of the Substantive in the Sentence, the comparison of the Pronoun and the Noun and of the Finite Verb with the Infinite Verb and the properties of the Parts of Speech are studied in connection with Sentence Analysis.

Given summer quarter only, for college credit.

COURSE I—*Twelve weeks. Five hours.*

DESCRIPTIVE GEOGRAPHY—The whole subject of Geography is reviewed in this quarter. The Earth is studied as a whole; its form, motion, size, zones, and the larger divisions of land and water are first considered. The political divisions and the races of man and their institutions are studied as carefully as the time will permit. Students who are well prepared for this course may complete it in twelve weeks.

Given first three quarters, for High School credit.

COURSE II—*Twelve weeks. Five hours.*

DESCRIPTIVE GEOGRAPHY FOR ADVANCED STUDENTS—A brief review is given of the general subject of Geography. The reasons for the distribution of man and for his various activities are studied in detail. Special attention is given to the political divisions from the standpoint of location, physical features, climate, flora and fauna. Commercial or Economic Geography is emphasized and many questions of vital interest are carefully discussed.

Given summer quarter only, for college credit.

COURSE I—*Twelve weeks. Five hours.*

UNITED STATES HISTORY FOR ADVANCED STUDENTS—A general survey of the larger problems of the Nation's development. Emphasis is placed on the larger institutional phases of the Colonial period; the Revolution and Formation of the Constitution and Government; Institutional Expansion; the Slave Issues; the War with Mexico and the Rebellion; Reconstruction and Expansion of Domestic and International activities.

Given summer quarter only, for college credit.

COURSE I—*Twelve weeks. Five hours. Two hours laboratory.*

PHYSIOLOGY FOR ADVANCED STUDENTS—This course is designed especially for Pharmacists, Teachers, those taking Domestic Science and others wishing to review the subject. The chemical

composition of the body, the tissues, the circulatory, respiratory, digestive and nervous systems are studied with all the detail that the time will allow.

Given second and fourth quarters only, for College credit. A laboratory fee of 50 cents is charged.

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is designed for those who wish to pursue a regular college course as a preparation for life's duties, or for any professional work.

The requirement for entrance into this College is the completion of the standard four-year high school course, or an equivalent attainment.

The graduate is given the degree of Bachelor of Arts upon the successful completion of the course of study.

If a student desires to specialize in any particular subject for teaching, he can make this subject his major and take enough professional work as his electives to allow him to teach in any state he may choose.

Forty-eight credits are required for graduation. A credit is defined as twelve weeks' work in one subject. These are distributed as follows:

Major subject	12
Related Minor	6
Language	6
English	3
Science	6
Elective	15

The major subject may be taken from any of the following departments: Latin, German, French, English, Physics and Mathematics, Chemistry, History, Biology, and from the School of Education. The minor subject will be selected after consultation with the head of the department from which the major subject is taken. The language requirement must be taken from one language, Latin, German or French. The English must be Freshman English; this consists of English Composition. The science credits may be taken from Mathematics, Physics, Chemistry, Botany, Zoology or Geology. Not less than three credits will be accepted in any Science.

MATHEMATICS

COURSE I—*Twelve weeks. Five hours.*

ALGEBRA IV—Quadratic Equations are reviewed and a careful study is given to the following: Equations of quadratic form; simultaneous equations involving quadratics; indeterminate equations; inequalities; ratio; proportion and variation; progressions,

permutations and combinations; probability, and binominal theorem. Every quarter.

Pre-requisite: High School Algebra.

Text: Hall and Knight's Algebra for Colleges and Schools.

COURSE II—*Twelve weeks. Five hours.*

TRIGONOMETRY—Trigonometry is taught as a branch of Geometry. The various methods of solving plane and spherical triangles are investigated and applied in original exercises, as the measuring of heights and distances, and in the simpler problems in Astronomy. Every quarter.

Pre-requisite: Algebra IV and Plane Geometry.

Texts: Wentworth's Revised Plane and Spherical Trigonometry; Longman's School Trigonometry.

COURSE III—*Twelve weeks. Five hours.*

UNIVERSITY ALGEBRA—This course in Higher Algebra is open to all students who have finished Geometry, Algebra IV and Trigonometry. The work includes logarithms, interest and annuities, lingering values and vanishing fractions, convergency and divergency of series, undetermined coefficients, decomposition of fractions, continued fractions, summation of series, the binominal theorem, exponential and logarithmic formulæ, determinants and theory of equations. Second and fourth quarters.

Texts: Hall and Knight's Algebra for Colleges and Schools; Todhunter's Treatise on Algebra.

COURSE IV—*Eighteen weeks. Five hours.*

ANALYTICAL GEOMETRY—Pre-requisite, Trigonometry. Beginning classes are organized at opening of first and third quarters. Subject matter: Equations for the straight line, circle, conic section, higher plane curves, planes and surfaces of revolution.

Plotting is an essential part of the work, giving the student a clear conception of the loci studied. Given twice each year.

Text: Wentworth's Analytical Geometry.

COURSE V—*Twelve weeks. Five hours.*

DIFFERENTIAL CALCULUS—Proofs of differential formulæ; differentiation of algebraic, logarithmic, and trigonometric equations; application of these processes to problems of maxima and minima; problems in mechanics; expansion of functions.

Text: Campbell's Calculus and Granville's Calculus.

COURSE VI—*Eighteen weeks. Five hours.*

INTEGRAL CALCULUS—Subject matter: Proofs of integral formulæ; methods of integration; calculation of areas, volumes, mo-

ments of inertia, etc. Plotting is an important part throughout Calculus. Given twice each year.

Texts: Same as Course V.

COURSE VII—*Twelve weeks. Five hours.*

DIFFERENTIAL EQUATIONS I—In this course a careful study is made of differential equations of the first order involving the first, second and higher degrees of the derivative; equations of the second order; linear equations with constant coefficients and the same with variable coefficients; solutions in series, etc.

Pre-requisite: Physics I, II, III, and IV; Analytical Geometry and Calculus; it is better to have had Theoretical Mechanics, but this is not insisted upon. Second quarter.

Text: Johnson.

COURSE VIII—*Twelve weeks. Five hours.*

DIFFERENTIAL EQUATIONS II—This course is a continuation of Course VII, but includes a study of partial differential equations. The same text is used. Second quarter.

ASTRONOMY

COURSE I—*Twelve weeks. Five hours.*

This course is open to students who have had Trigonometry.

The student considers: Methods of locating the heavenly bodies, astronomical instruments, correction of errors of observation, the earth as an astronomical body, the moon, the sun, celestial mechanics, tides, eclipses.

Text: Moulton's Introduction to Astronomy.

First and third quarters.

COURSE II—*Twelve weeks. Five hours recitation. One hour observation.*

This course is a continuation of Course I.

The planets, parallax, comets, meteors, fixed stars, double stars, clusters, nebulae, cosmogony are studied. The same text as used in Course I.

A fee of 50 cents is charged all students taking Astronomy. One fee covers both courses.

Second and fourth quarters.

PHYSICS

The work in Physics consists of a series of studies adapted to the needs of those preparing to teach, or to those who are pursuing a course in pure science, either as a means of mental dis-

cipline, or as a preparation for a course in Engineering or some other branch of technological science.

The courses should be taken in the order given below. Each quarter will be repeated as often as there is a demand.

COURSE I—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

MECHANICS—Consists of a study of the fundamental properties of matter, inertia, capacity for energy, gravitation and elasticity. Special emphasis is laid on Newton's Laws of Motion and their application to mechanics.

Text: Spinney's Textbook of Physics.

Pre-requisite—Geometry and Trigonometry.

A laboratory fee of \$2.50 is charged.

COURSE II—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

FLUIDS AND HEAT—Comprises a brief study of hydrostatics, special properties of matter, a chapter on waves, thermometry, the simpler effects of heat and an elementary treatise of heat engines.

Pre-requisite—Geometry and Trigonometry.

A laboratory fee of \$2.50 is charged.

COURSE III—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

ELECTRICITY AND MAGNETISM—Brief historical survey of electrostatics, magnetism and current electricity. Considerable practice in the solution of problems is given.

Pre-requisite—Geometry and Trigonometry.

A laboratory fee of \$2.50 is charged.

COURSE IV—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

SOUND AND LIGHT—A study of wave motion, vibrating bodies and properties of sound, reflection, refraction, dispersion, diffraction and polarization.

Pre-requisite—Courses I, II, III.

A laboratory fee of \$2.50 is charged.

COURSE V—*Twelve weeks. Three hours recitation and lecture. Four hours laboratory.*

KINEMATICS AND DYNAMICS—This course consists of a more extended study of mechanics. The treatment is more mathematical and the laboratory work is more complicated.

Texts: Culler's College Physics and Millikan's Laboratory Manual.

Pre-requisite—Analytical Geometry and Calculus.

A laboratory fee of \$2.50 is charged.

COURSE VI—*Twelve weeks. Three hours recitation and lecture. Four hours laboratory.*

HEAT AND THERMODYNAMICS—This course is a continuation of Course V, using the same texts and assuming same pre-requisites.

A laboratory fee of \$2.50 is charged.

COURSE VII—*Twelve weeks. Three hours recitation and lecture. Four hours laboratory.*

ELECTRICITY AND MAGNETISM—This course consists of electrical measurements with some development of the theory of electrical instruments and wireless telegraphy. Numerous problems.

Pre-requisite—Same as Course V.

A laboratory fee of \$2.50 is charged.

COURSE VIII—*Twelve weeks. Three hours recitation and lecture. Four hours laboratory.*

OPTICS—This course consists of the study of geometrical and physical optics, with many problems.

Pre-requisite—Same as Course V.

A laboratory fee of \$2.50 is charged.

CHEMISTRY

This science is always taught in connection with experiments demonstrating the subject under consideration. Aside from the work in the class room, each student is required to work in the laboratory under the direction of a special instructor from one to several hours each day, the time required depending upon the nature and advancement of the course. The laboratories are fully equipped with all modern appliances and afford an excellent opportunity for carrying on practical work. For further information write for special catalog.

The following general courses are offered, together with special courses in Agriculture, Domestic Science, Pharmacy and Medicine.

COURSE I—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

INORGANIC CHEMISTRY III— This course is a college course in chemistry, consisting of a study of the fundamental theories and laws underlying this science. It should be elected only by mature students or by those who have completed High School Chemistry.

Text: Smith's General College Chemistry. Laboratory, Timmon's Experiments in General Chemistry I.

Pre-requisite—High School Chemistry or equivalent.

A laboratory fee of \$3.00 is charged.

First and third quarters.

COURSE II—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

INORGANIC CHEMISTRY IV—Continuation of Course I. This course consists of a discussion of the metals.

Texts: Smith's General College Chemistry. Laboratory, Timmon's Experiments in General Chemistry II.

Pre-requisite—Course I. Second and fourth quarters.

A laboratory fee of \$3.00 is charged.

COURSE III—*Twelve weeks. Three hours.*

CHEMISTRY DRILL—This is purely a drill class, offered to all taking introductory Chemistry. The time is given to practice in writing symbols, formulas, and equations, to the solution of problems and to general quiz work. First quarter.

COURSE IV—*Twelve weeks. Five hours.*

INORGANIC CHEMISTRY V—This course is devoted to the study of theoretical and elementary physical chemistry.

Text: Newth's Inorganic Chemistry, Part I.

Pre-requisite—Course I. First and fourth quarters.

COURSE V—*Twelve weeks. Three hours.*

ARITHMETICAL CHEMISTRY—A course covering practical chemical problems. It accompanies and is essential to the preceding course. No text is required. Problems are arranged by the instructor.

Pre-requisite—Course I. First and fourth quarters.

COURSE VI—*Twelve weeks. Five hours.*

INORGANIC CHEMISTRY VI—A resume of Course I, much more detailed and giving especial attention to both the practical and manufacturing application of this portion of chemistry.

Text: Newth's Inorganic, Part II.

Pre-requisite—Course I. Third quarter.

COURSE VII—*Twelve weeks. Five hours.*

INORGANIC CHEMISTRY VII—A study of all the common metals and their compounds, together with a brief survey of rare metals.

Text: Newth's Inorganic, Part III completed.

Pre-requisite—Course I. Second quarter.

COURSE VIII—*Twelve weeks. Five hours.*

ORGANIC CHEMISTRY I—An introduction to organic chemistry, covering the aliphatic series. Experiments suggested by the text and others supplemental thereto are performed by the instructor.

Text: Remsen's Organic Chemistry.

Pre-requisite—Courses I, II and XI or I, IV, VI, VII and XI.
Second quarter.

COURSE IX—*Twelve weeks. Five hours.*

ORGANIC CHEMISTRY II—A continuation of Organic I, covering the cyclic series. Experiments by the instructor as in the preceding course.

Text: Remsen's completed.

Pre-requisite—Course VIII. Third quarter.

COURSE X—*Twelve weeks. Three hours.*

INDUSTRIAL CHEMISTRY—Lectures on fuels, waters, fertilizers, explosives, lime and cements. Lecture course, no text required, but references made to Thorp, Sadtler, Rogers and Wagner.

Pre-requisite—Courses I, II and XI. Fourth quarter.

COURSE XI—*Twelve weeks. Ten hours.*

ANALYTICAL CHEMISTRY I—This a laboratory course in qualitative analysis with lectures and quizzes two hours per week. Particular attention is given to the determination of unknowns.

Text: Timmons' Qualitative Analysis.

Pre-requisite—Courses I and II, or I and VII.

A laboratory fee of \$4.00 is charged. Every quarter.

COURSE XII—*Twelve weeks. Ten hours.*

ANALYTICAL CHEMISTRY II—Gravimetric analysis is made the major throughout this quarter, although advanced qualitative analysis receives some attention. Lectures and quizzes two hours per week.

Text: Newth's Qualitative and Quantitative Analysis.

Pre-requisite—Course XI. Third and fourth quarters.

A laboratory fee of \$4.00 is charged.

COURSE XIII—*Twelve weeks. Five hours.*

VOLUMETRIC ANALYSIS—The determinations made by the student in this course embrace acidmetry and alkalimetry, oxidation and reduction, and volumetric precipitation. The laboratory work is accompanied by lectures and quizzes.

Pre-requisite—Courses I, II and XI or I, VII and XI.

A laboratory fee of \$3.50 is charged.

First and fourth quarters.

COURSE XIV—*Twelve weeks. Ten hours.*

ADVANCED ANALYSIS—There is presented here first, simple analysis of furnace gas, illuminating gas, and sanitary examination of air; second, a quantitative analysis of cements and common ores of iron, copper, zinc, lead and silver.

Pre-requisite—Courses XII and XIII. Fourth quarter.

A laboratory fee of \$4.00 is charged.

COURSE XV—*Twelve weeks. Five hours.*

PHYSIOLOGICAL CHEMISTRY—This course covers both a qualitative and quantitative examination of urine, analysis of gastric contents and saliva and an examination of milk. Laboratory work interspersed with lectures and quizzes.

Pre-requisite—Courses VIII, XII and XIII. Second quarter.

A laboratory fee of \$2.50 is charged.

COURSE XVI—*Twelve weeks. Five hours.*

WATER ANALYSIS—In this course a complete chemical examination of water is made. It is mainly a laboratory course.

Text: Leffman or Mason.

Pre-requisite—Courses XII and XIII. Fourth quarter.

A laboratory fee of \$2.50 is charged.

COURSE XVII—*Twelve weeks. Five hours.*

ALKALOIDAL ANALYSIS—This is a laboratory course including both qualitative and quantitative work on the chemistry of the alkaloids.

Notes given by the instructor. References, Pictet and Biddle, Allen, Vols. VI and VII and Autenruth.

Pre-requisite—Courses VIII, XII and XIII. Third quarter.

A laboratory fee of \$3.50 is charged.

COURSE XVIII—*Twelve weeks. Five hours.*

PHARMACEUTICAL TESTING—Many important U. S. P. tests, and a practical examination of various pharmaceuticals will be made.

Text: United States Pharmacopoeia, together with various references.

Pre-requisite—Courses XII and XIII. Fourth quarter.

A laboratory fee of \$3.50 is charged.

COURSE XIX—*Twelve weeks. Ten hours.*

SYNTHETIC CHEMISTRY—A laboratory course in which a selected list of substances is made, of both the aliphatic and the cyclic series.

Text: Cohen, with Gattermann, and Lassar-Cohn as references.

A laboratory fee of \$7.50 is charged.

Pre-requisite—Courses VIII and IX. Fourth quarter.

COURSE XX—*Twelve weeks. Twenty hours.*

FOOD AND FOOD ANALYSIS—A laboratory course accompanied by lectures. Different varieties of food are considered in some detail, together with a discussion of their adulteration.

The laboratory work includes examination of many classes of food materials.

Text: Leffman and Beam, with Leach as reference.

Pre-requisite—Courses VIII, IX, XII and XIII.

A laboratory fee of \$12.00 is charged. Fourth quarter.

A breakage fee is added to each laboratory fee. This will be returned less individual breakage.

BOTANY

COURSE I—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory and field work.*

This course includes a study of the morphology, evolution and classification of the groups of plants, beginning with the lowest forms. First, third and fourth quarters.

A laboratory fee of \$1.50 is charged.

COURSE II—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory and field work.*

This course includes a study of the morphology, physiology, and ecology of the roots, stems, and leaves of the seed plants.

A laboratory fee of \$1.50 is charged.

Second and fourth quarters.

COURSE III—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory and field work.*

This course includes a study of symbiosis, saprophytic and carnivorous plants, flowers, seeds, germination, fruits and plant associations. First and third quarters.

A laboratory fee of \$1.50 is charged.

COURSE IV—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

This course includes the preparation and study of microscopical sections of plant tissues, and the examination of cell products, vegetable foods and drugs by the compound microscope.

A laboratory fee of \$2.50 is charged. Fourth quarter.

COURSE V—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory and field work.*

This course includes a study of absorption, and transfer of

raw material, photosynthesis, digestion, assimilation and storage of food; respiration, transpiration, growth and movements of plants. Fourth quarter.

A laboratory fee of \$2.50 is charged.

COURSE VI—*Twelve weeks. Two hours recitation and lecture. Eight hours laboratory and field work.*

This course includes a study of plants in their natural environment, the collection and preservation of illustrative specimens, a special study of trees and the elements of forestry.

Texts and references: Coulter, Barnes and Cowles, Stevens, Chamberlain, McDougall, Strausberger, Campbell, Kerner and Oliver, Sachs, Bailey, Goebel, Vines, Gray, Britton, Ganong, Hough.

A laboratory fee of \$1.50 is charged. Fourth quarter.

ZOOLOGY

COURSE I—*Twelve weeks. Five hours recitation. Five hours laboratory.*

INTRODUCTION TO ZOOLOGY—Classification of Invertebrate Phyla; Ecology; a discussion of many of the typical representatives of the different phyla studied. Appropriate laboratory work is given. First, third and fourth quarters.

A laboratory fee of \$1.50 is charged.

Text: Hegner's College Zoology.

COURSE II—*Twelve weeks. Five hours recitation. Five hours laboratory.*

CHORDATA—Classification and discussion of Phylum Chordata; laboratory work, careful dissection and study of fish, frog, turtle and pigeon. Second, third and fourth quarters.

A laboratory fee of \$2.00 is charged.

Text: Hegner's College Zoology.

COURSE III—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

COMPARATIVE ANATOMY—A general study of the comparative anatomy of vertebrates. The laboratory work is animal histology, in which the student is taught how to mount, to study, and to identify animal tissues. First and third quarters.

Text: Kingsley's Comparative Anatomy of Vertebrates.

A laboratory fee of \$2.50 is charged.

COURSE IV—*Twelve weeks. Five hours recitation. Five hours laboratory.*

ENTOMOLOGY AND ECONOMIC ZOOLOGY—A classification and discussion of the Insect Orders. Particular attention is given

to the economic relation of insects, how they affect cultivated plants and domestic animals and also their relation as disease carriers in respect to man. The student is required to make a collection and a classification of one hundred species of insects. These insects must represent all of the larger orders.

A laboratory fee of \$1.50 is charged. Fourth quarter.

Text: Sanderson and Jackson's Elementary Entomology. Numerous references.

COURSE V—*Twelve hours. Five hours recitation and lecture.*

GENETICS—Lectures on maturation, fertilization and segmentation are given as introductory work. Variation is discussed in detail, and the laws of heredity are explained and illustrated by numerous problems. The students are required to give reports taken from current magazines and standard works on heredity and evolution. Second and fourth quarters.

COURSE VI—*Twelve weeks. Five hours recitation.*

EVOLUTION—The history of the Evolution Idea. Its factors and proofs are studied in detail. An attempt is made to show that the evolution view point has entered into all fields of human thought. Third quarter.

Text: Herbert's First Principles of Evolution. Numerous references.

PHYSIOLOGY

COURSE I—*Twelve weeks. Five hours recitation and lecture. Three hours laboratory.*

UNIVERSITY PHYSIOLOGY I—This course consists of a study of the chemical composition of the human body, tissues, osseous system, circulatory system and respiratory system.

First and third quarters.

A laboratory fee of \$1.00 is charged.

COURSE II—*Twelve weeks. Five hours recitation and lecture. Two hours laboratory.*

UNIVERSITY PHYSIOLOGY II—This course consists of the study of digestion, excretion, nutrition, the nervous system and the special senses. Second and fourth quarters.

A laboratory fee of \$1.00 is charged.

Text: Martin's Human Body. References: Howell, Stewart, Hill, Halliburton, Brubaker.

BACTERIOLOGY

COURSE I—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

This course covers the microscopical examination of drinking water; qualitative and quantitative bacteriological analysis of water and sewage; practice in detecting sewage bacteria in suspected waters; the interpretation of chemical analysis bearing on bacteriological analysis; personal and public hygiene; contagion, pasteurization and sterilization. Fourth quarter.

A laboratory fee of \$3.50 is charged.

GEOLOGY

COURSE I—*Twelve weeks. Five hours recitation and lecture.*

DYNAMICAL, STRUCTURAL AND PHYSIOGRAPHIC GEOLOGY—In these subjects the forces, causes and laws underlying geological phenomena are considered. The destructive and reconstructive processes are carefully studied so that the earth's entire structure can be better understood. First, second and third quarters.

Text: Chamberlain and Salisbury.

COURSE II—*Twelve weeks. Five hours recitation and lecture.*

HISTORICAL GEOLOGY—A careful study is given to the various hypotheses of the earth's origin. The meaning of the geological succession of plants and animals is emphasized, and a study of the character and distribution of the rocks of each period is given with considerable detail. Third and fourth quarters.

Text: Chamberlain and Salisbury.

COURSE III—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

ECONOMIC GEOLOGY—The classroom work consists of lectures and quizzes on the occurrence and distribution of the various rocks and minerals that are of economical importance. The laboratory work is a course in Blow-pipe analysis. The student is taught how to identify by blow-pipe tests and other means a large number of mineral and rock specimens. Second quarter.

A laboratory fee of \$3.00 is charged.

Text: Ries' Economic Geology.

COURSE IV—*Twelve weeks. Five hours recitation and lecture.*

ADVANCED DYNAMICAL AND STRUCTURAL GEOLOGY—This course is a continuation of Course I and the classroom work consists of lectures on advanced Dynamical and Structural Geology. A collection of drift boulders of this locality is made and the student is taught how to identify them. The student also learns how to in-

interpret geological maps and he will be expected to make reports upon assigned topics. Fourth quarter.

A fee of \$1.00 is charged.

Text: Hobbs' Earth's Features.

MINERALOGY

COURSE I—*Six weeks. Five hours lecture.*

This course is given especially to pharmacy students. Eighty rocks and mineral specimens are furnished. The student is expected to learn how to identify his specimens by means of the general properties of rocks and minerals and to learn their economic importance. A short discussion of crystallization is also given in this course. Second quarter.

A laboratory fee of \$1.00 is charged.

Text: Bennett's Rocks and Minerals.

ENGLISH

The instruction given in English has three objects: First, proficiency in English composition; second, a general acquaintance with English literature; third, a more minute knowledge of certain authors whose works illustrate the development, not only of the English language, but also of the English literature.

The courses offered embrace advanced English composition, designed to stimulate original productions; Oratory, embracing exercises in writing and delivering orations, speeches and addresses on given subjects; English literature, embracing an outline of its history and development with a careful study of certain representative authors, both American and English; Old and Middle English and Metrics receive sufficient attention to meet the wants of all ordinary students. Their study is a material aid to all seeking a thorough knowledge of our English language and literature. Etymology and Philology receive sufficient attention to enable a student to understand carefully and thoroughly the formation, growth and development of the English language from its beginning down to the present time.

COURSES I, II AND III—*Thirty-six weeks. Five hours.*

FRESHMAN ENGLISH—The purpose of this course is the training of the college freshman to write correctly and clearly about the things he already knows; to use books as a means of enlarging his knowledge, and to increase his power of expression.

One hour a week is devoted to the study of literary types, and of their value and interest. Four hours a week are given to

the study of Rhetoric and Composition, and to the writing of themes.

Texts: Slater's Freshman Rhetoric; Wooley's Handbook of Composition; Scott and Zietlin's College Readings in English Prose.

COURSE IV—*Twelve weeks. Three hours.*

ENGLISH COMPOSITION—Pre-requisite: a good knowledge of English grammar and rhetoric. This course will include a review of the formal elements of composition, such as punctuation, capitalization, sentence-structure and paragraph-structure. Daily short themes and longer weekly themes on subjects taken from the student's own observation and experience will be required.

COURSE V—*Twelve weeks. Three hours.*

ENGLISH COMPOSITION—Pre-requisite: Course VIII or its equivalent. The various types of composition—exposition, description, narration, argumentation—will be discussed, and theme practice in the different types will be required. Especial attention will be given to short story writing.

COURSE VI—*Twelve weeks. Five hours.*

HISTORY OF AMERICAN LITERATURE—A philosophical and historical study of the development and significance of American Literature.

Text: Richardson's History of American Literature.

COURSE VII—*Twelve weeks. Five hours.*

EMERSON—A detailed study of Emerson's poetry and prose.

COURSE VIII—*Twelve weeks. Five hours.*

SHAKESPEARE—Critical and textual study of four of Shakespeare's best plays. Rolfe's editions recommended.

COURSE IX—*Twelve weeks. Five hours.*

MYTHOLOGY—Myths of Greece and Rome together with those of other nations are studied as to development, interpretation, and relation to literature and art.

COURSE X—*Twelve weeks. Five hours.*

CHAUCE—A detailed textual study of six or more of the Canterbury Tales.

COURSE XI—*Twelve weeks. Five hours.*

MILTON—A general consideration of Milton as a whole with a special study of *Paradise Lost*.

COURSE XII—*Twelve weeks. Five hours.*

CARLYLE AND RUSKIN—A study of representative essays and lectures.

COURSE XIII—*Twelve weeks. Five hours.*

TENNYSON AND WORDSWORTH—A study of representative poems.

COURSES XIV AND XV—*Twenty-four weeks. Three hours.*

ANGLO-SAXON AND MIDDLE ENGLISH—24 weeks. Usually 18 weeks are devoted to the study of Anglo-Saxon and 6 weeks to Middle English.

Texts: Bright's Anglo-Saxon Reader and Sweet's Middle English Primer.

COURSE XVI—*Twelve weeks. Three hours.*

HISTORY OF THE ELIZABETHAN DRAMA—Lectures; readings, reports and a thesis by the student.

COURSE XVII—*Twelve weeks. Three hours.*

NINETEENTH CENTURY PROSE AND POETRY—Lectures; reading, reports and a thesis by the student.

COURSE XVIII—*Twelve weeks. Five hours.*

FINISHED DEBATE—This course is the same as Public Speaking XV. Argument building. Lectures and criticism. Practice in formal debate twice a week.

Text: Ketcham's Argumentation and Debate, Part I.

COURSE XIX—*Twelve weeks. Five hours.*

ADVANCED FORENSICS—Theoretical study of argument. Practice in debate. This is a continuation of Course XVIII, and corresponds to Public Speaking XVII.

Text: Ketcham's Argumentation and Debate, Part II.

COURSE XX—*Twelve weeks. Three or five hours.*

ADVANCED ENGLISH GRAMMAR—A college course in English Grammar. The growth and development of language; the Indo-European languages; their relation to each other and to modern languages; the Teutonic group of languages, Grimm's Law; the history of the English language.

This course is conducted by means of lectures by the teacher, quizzes, papers and reports. The growth and decay of constructions is shown, especial attention being given to fossil remains of ancient syntax in modern language. Irregular verbs, the subjunctive mode, and the infinitive are explained historically. At the end of the quarter some piece of English literature is read with reference to its syntax.

Open to students who have had high school Latin or German.

GERMAN

The German Department offers two courses in elementary German, the High School Course and the College Course. Students who have completed a two years High School course may begin with Course V in the College work, and those who have completed three years High School Course may begin with Course VI. It is better to follow the order of the courses as given up to and including Course XIII.

The University Library contains a German division of over 600 volumes; it also takes several German newspapers and magazines. Most of the books and papers have been furnished by the German Society of the University.

The aim is to give the students the power to read and write the language fluently and correctly, and also to understand the spoken language and to speak it with ease and readiness. German conversation is used and cultivated from the start and as German is used exclusively in the advanced courses the students acquire the power to think and feel in the language, and enjoy the rich field of German Literature.

COURSES I AND II—*Twenty-four weeks. Five hours.*

ELEMENTARY GERMAN—Elementary work and special stress on pronunciation. As far as possible German conversation is used with the reading and grammatical drill. Beside the elementary text-book the work is supplemented from Roessler's Essentials of German Grammar.

COURSE III—*Twelve weeks. Five hours.*

IM VATERLAND—German Lyrics, of which many are memorized and sung.

Review of Grammar.

COURSE IV—*Twelve weeks. Five hours.*

Immensee.

Germelshausen.

Der Lindenbaum, and other stories.

Grammar work continued. Composition from the text.

COURSE V—*Twelve weeks. Five hours.*

GERMAN COMPOSITION.

Grammar work continued. Use of the German idioms.

COURSE VI—*Twelve weeks. Five hours.*

Goethe—Hermann and Dorothea.

Composition and Syntax.

COURSE VII—*Twelve weeks. Five hours.*

COMEDIES AND SHORT NOVELS.

Rapid sight reading and German Syntax.

COURSE VIII—*Twelve weeks. Five hours.*

History of Germany and a study of social and economic conditions in Germany.

COURSE IX—*Twelve weeks. Five hours.*

SCIENTIFIC GERMAN.

This course is designed for students who are specializing in the sciences.

COURSE X—*Twelve weeks. Five hours.*

Sudermann—Frau Sarge.

Freytag—Soll und Haben.

Advanced composition once a week.

COURSE XI—*Twelve weeks. Five hours.*

Lessing—Nathan der Weise.

Advanced composition once a week.

COURSE XII—*Twelve weeks. Five hours.*

Goethe—Faust I.

Advanced composition once a week.

COURSE XIII—*Twelve weeks. Five hours.*

HISTORY OF GERMAN LITERATURE.

Special attention given to Gudrun and Nibelungen Lied.

COURSE XIV—*Twelve weeks. Three hours.*

MODERN CLASSIC WRITERS.

In this and in subsequent courses, the students narrate in German the contents of the lessons, each of which usually constitutes a whole act of a drama, and all the work and discussions are in German.

Sudermann—Johannes.

Sudermann—Die Heimat.

Fulda—Der Talisman.

Fulda—Die Jugendfreunde.

Fulda—Das Verlorene Paradies.

Fulda—Der Dummkopf.

COURSE XV—*Twelve weeks. Three hours.*

MODERN CLASSIC WRITERS.

Grillparzer—Sappho.

Grillparzer—Der Traum ein Leben.

Grillparzer—Die Ahnfrau.

Grillparzer—Weh dem, der luegt.

Grillparzer—Libussa.

Grillparzer—Des Meeres and der Liebe Wellen.

Grillparzer—Koenig Ottokars Glueck und Ende.

Grillparzer—Das Goldene Vlies.

COURSE XVI—*Twelve weeks. Three hours.*

MODERN CLASSIC WRITERS.

Hauptmann—Die Versunkene Glocke.

Hauptmann—Die Weber.

Hebbel—Agnes Bernauer.

Hebbel—Herodes und Marianne.

Hauptmann—Gyges und sein Ring.

COURSE XVII—*Twelve weeks. Three hours.*

CLASSICAL PERIOD.

Klopstock, Wieland and Lessing.

COURSE XVIII—*Twelve weeks. Three hours.*

CLASSICAL PERIOD.

Life and works of Schiller.

COURSE XIX—*Twelve weeks. Three hours.*

CLASSICAL PERIOD.

Life and works of Goethe.

COURSE XX—*Twelve weeks. Three hours.*

Kleist—Der Prinz von Homburg.

Kleist—Der Zerbrochene Krug.

Kleist—Die Hermannsschlacht.

Scheffel—Der Trompeter con Saekkingen.

Scheffel—Ekkehard.

COURSE XXI—*Twelve weeks. Three hours.*

Wagner—Die Meistersaenger von Nuernberg.

COURSE XXII—*Twelve weeks. Three hours.*

Modern German Prose in History and Fiction.

COURSE XXIII—*Twelve weeks. Three hours.*

Writers of Lyrics and Shorter Poems of the Nineteenth Century.

The courses in Elementary German will be given every quarter. Those in Advanced German will be given as demanded.

Besides the work of the classroom, the students are encouraged to join the German Society, which meets every two weeks. Once or twice a year, comedies are given by the students.

FRENCH

Students entering upon the study of French are urged to arrange for two years consecutive work in the subject. The first year is necessarily one of close application to the technique, pronunciation and vocabulary; the second year is needed for the student to understand the flesh and color of the language and the country through an appreciation of representative writing and good authors; a further study yields intelligent understanding and sympathy with the culture and intellect of France.

A Departmental Library of 500 volumes in connection with the class room, also French newspapers and magazines are at the disposition of the student.

Courses I-VI inclusive must be followed consecutively. Courses IVB and VB, should be taken in connection with regular courses IV and V. Students having completed satisfactorily the first six quarters are eligible to any of courses VII-XII with certain restrictions mentioned below.

COURSES I, II, III—*Thirty-six weeks. Five hours.*

Chardenal's Complete French Course, revised, lessons 75-101, Composition, Conversation.

Super, Histoire de France. (Holt).

Scribe et Legonne, Bataille de Dames (American Book Co.)

Daudet, Le Petit Chose (Heath).

COURSES IV, V, VI—*Thirty-six weeks. Five hours.*

Meras, Verba and Verbal Idioms (Sturgis, Walton and Co.)

Francois Advanced Composition (American Book Co.)

Reproduction and composition. Rapid reading of modern authors. Studies of French life.

Note: The above courses are arranged to accommodate students taking the courses consecutively for six quarters or for those taking three quarters each for two years.

COURSES IVB, VB—*Twenty-four weeks. Three hours.*

Conversation, paraphrasing, reproduction, facility in oral and written idiomatic expression, letters, themes, reports.

Second and third quarters.

Pattou, Causeries an francais (Heath.)

Talbot, Le francais et sa patrie (Benj. H. Sanborn and Co.)

Moliere en recits (Ginn and Co.)

Guerlac, Standard French Authors (Ginn and Co.)

For the following courses, collateral reading, reports, and discussions are required.

COURSE VII—*Twelve weeks. Four hours.*

Nineteenth Century Drama and Comedy. Third quarter.

COURSE VIII—*Twelve weeks. Four hours.*

Studies of Moliere and his contemporaries. Fourth quarter.

COURSE IX—*Twelve weeks. Four hours.*

Modern Historical Writers, Novelists, Poets. First quarter.

COURSE X—*Twelve weeks. Three hours.*

Survey of French Literature. Fourth quarter. Pre-requisite: Courses VII, VIII or IX.

COURSE XI—*Twelve weeks. Three hours.*

The Eighteenth Century and Classicism. First quarter.

COURSE XII—*Twelve weeks. Three hours.*

Critical studies in Romanticism. Third quarter. Pre-requisite: Courses VII or VIII and X.

SPANISH

A course of two years, thirty-six weeks each, is offered. Classes are organized at the beginning of each school year and at the beginning of any quarter if there is a sufficient demand.

FIRST YEAR

Special attention is given to pronunciation and the fundamental principles of the Grammar. Drills and translations, dictation, elementary syntax and orthography, memorizing of short poems and proverbs. The student is taught the customs and ways of conducting business among Spanish speaking people.

SECOND YEAR

Spanish is used entirely as a medium of instruction, so that the ear and tongue, as well as the eye, will be trained. Drills in the writing of Spanish themes and letters, and the writing of stories, read or told in class. A few stories and poems are read as an introduction to Spanish literature.

The following courses are offered:

COURSE I—*Twelve weeks. Five hours.*

The Spanish Teacher—Butler.

Grammar notes given by the instructor. The instruction will include a brief study of all parts of speech, laying emphasis on the verbs "haber, tener, ser and estar" and their uses.

First quarter.

COURSE II—*Twelve weeks. Five hours.*

A Spanish Grammar—Hill and Ford.

Elementary Spanish Reader—Espinosa.
The Spanish Teacher—Butler. Used once a week.
Second quarter.

COURSE III—*Twelve weeks. Five hours.*

A Spanish Grammar, continued.
Elementary Spanish Reader, completed.
The Spanish Teacher—Butler. Used once a week.
Third quarter.

COURSE IV—*Twelve weeks. Five hours.*

A Spanish Grammar, completed.
El Capitan Veneno—Alarcon, is read.
Practice in reading and writing commercial and familiar letters in Spanish. No text is required. Letters are arranged by the instructor.
First quarter, and fourth quarter if demanded.

COURSE V—*Twelve weeks. Five hours.*

Letter Writing continued. Compositions are written fortnightly. El Commendador Mendoza, a novel by Juan Valera, is read. Second quarter.

COURSE VI—*Twelve weeks. Five hours.*

Composition continued. Introduction to the Spanish Drama and poetry.

Texts to be selected. Third quarter.

These courses must be taken in their order. Each course is required for the course immediately following it.

ITALIAN

Classes in Italian are organized at the beginning of the year only.

The courses are especially adapted to music students. The rudiments of the grammar are given, and special stress is placed upon pronunciation and sight reading.

COURSE I—*Twelve weeks. Five hours.*

ROTA'S ITALIAN GRAMMAR (Hossfeld's Method)—Reading, dictation, easy exercises. Auxiliary and regular verbs.

COURSE II—*Twelve weeks. Five hours.*

GRAMMAR—Irregular and defective verbs. Bowen's Italian Reader. Sight reading and translation. Composition.

COURSE III—*Twelve weeks. Five hours.*

GRAMMAR—Polite form of address. Conjunctive pronouns.

Wilkins and Altrocchi's Italian Short Stories. Selections. Representatives of modern Italian Literature. Conversation and composition. Singing in Italian once a week.

COURSE IV—*Twelve weeks. Five hours.*

GRAMMAR—Syntax. Manzoni's *I Promessi Sposi*. Selections from Dante's *La Vita Nuova* and other Italian poets. Conversation. Singing in Italian once a week.

LATIN

Students who major in Latin must have credits in all courses marked College Latin. Such students, as well as those who expect to teach Latin, are advised to take a year of Greek, but some other language may be taken. College students who have had two years of some foreign language can obtain college credit for Elementary Latin, Cæsar and Cicero, by making proper arrangements with the teacher, *but these credits cannot be accepted as major credits in Latin*. If a sufficient number of college students demand it, a special class in Elementary Latin will be organized at the first of the year, doing three quarters' work in two, for which they will receive full College credit. Otherwise, college students will take the regular high school class and receive only two college credits for three quarters' work. The same arrangement can be made for Cæsar. College students in Cicero will take the work with high school students but will do extra work in the preparation of papers and special reports.

COURSE I—*Twelve weeks. Five hours.*

VIRGIL, AENEID, BOOK I—Scansion is taught at the very beginning of the course and every lesson is carefully scanned. Poetical Constructions and the Language of Poetry are distinguished from those of Prose. The life of Virgil, his place in the history of Latin Literature, the literary value of the Aeneid and its mythological setting are discussed. First quarter.

Open to students who have had Cicero III.

COURSE II—*Twelve weeks. Five hours.*

VIRGIL, AENEID, BOOKS II AND III—More rapid translation of the Aeneid; scansion is continued, but more attention is paid to the metrical reading of the Latin Hexameter. Papers and reports by the student on subjects drawn from Roman private life.

Second quarter.

COURSE III—*Twelve weeks. Five hours.*

VIRGIL, AENEID, BOOKS IV, V, VI—The same work as in Course

II, but papers and reports by the student will be on subjects drawn from the literary study of the Aeneid itself.

Third quarter.

COURSE IV—*Twelve weeks. Five hours.*

LATIN PROSE COMPOSITION—A drill in the writing of Latin prose, not intended to produce stylistic writers of Latin, but to fix points of syntax more firmly. This course is especially recommended to those who need a review of Latin syntax before continuing College Latin or who need the same thing before beginning to teach Latin. Fourth quarter.

Open to those who have read Cicero.

COURSE V—*Twelve weeks. Five hours.*

SALLUST, CATILINE AND JUGURTHA—Historical prose of the Republic. The writing of Latin, special studies in syntax. Open to students who have had Virgil.

Given when demanded.

COURSE VI—*Twelve weeks. Five hours.*

CICERO, DE AMICITIA AND TERENCE, PHORMIO—Cicero's delightful essay on Friendship is read with particular reference to the ancient philosophy of life. Terence's play gives a glimpse of Latin comedy. The writing of Latin Prose is continued.

Given when demanded.

COURSE VII—*Twelve weeks. Five hours.*

HORACE, THE SATIRES AND EPISTLES—Ancient life as Horace saw it; the poet's own life as shown in his writings, his views of the philosophy of life.

Given when demanded.

COURSE VIII—*Twelve weeks. Five hours.*

TACITUS. THE GERMANIA AND AGRICOLA—An introduction to the prose of the Empire. Papers and reports by the student on political and social conditions under the early emperors.

Given when demanded.

COURSE IX—*Twelve weeks. Five hours.*

LIVY—An introduction to the historical prose of the Augustan period. The writing of Latin, special studies in syntax.

Given when demanded.

COURSE X—*Twelve weeks. Five hours.*

OVID—The rapid reading of Latin Poetry; its metrical reading; the mythology of the Romans.

Open to students who have had Course IX.

Second quarter.

COURSE XI—*Twelve weeks. Five hours.*

HORACE, ODES AND EPODES—A special study of the lyric poetry of the Empire; the various meters of Horace and the metrical reading of the Odes. Papers by the student on subjects suggested by the work read. Third quarter.

COURSE XII—*Twelve weeks. Five hours.*

PLINY. SELECTED LETTERS—The prose of the Empire. A special study of social and political conditions and papers by the student on these subjects.

Fourth quarter.

GREEK

No major courses in Greek are offered, but students who major in Latin are advised to take a year of Greek, especially if they intend to become teachers of Latin. The following courses are offered:

COURSE I—*Twelve weeks. Five hours.*

ELEMENTARY GREEK I—Burgess and Bonner, Elementary Greek. Paradigms and syntax, the translation of simple Greek sentences into English and of simple English into Greek.

First quarter.

COURSE II—*Twelve weeks. Five hours.*

ELEMENTARY GREEK II—Burgess and Bonner, Elementary Greek. The work of Course I is continued and selections from the Anabasis are read. Second quarter.

COURSE III—*Twelve weeks. Five hours.*

HOMER. BOOK I—Selections from Book II. Scansion and the metrical reading of Greek. Life and civilization in the Homeric age. Third quarter.

COURSE IV—*Twelve weeks. Five hours.*

HOMER—The work of the second quarter is continued. Lectures by the teacher on the history of Greek literature, especially the development of the drama. Some Greek play may be read in English translation. The object of the course is to arouse a greater interest in Greek literature, even if it must be done by means of translation. Fourth quarter.

HISTORY

COURSE I—*Twelve weeks. Five hours.*

ENGLISH HISTORY—A study of the origin and growth of the English people; the development of their institutional life; their economic life; the Tudor despotism and the Reformation; to 1603. Carefully prepared essays. First and second quarters.

COURSE II—*Twelve weeks. Five hours.*

ENGLISH HISTORY—Emphasis is placed on the Parliamentary struggles under the first two Stuarts; the Cromwellian era; the Revolution of 1688; the Industrial Revolution of the 18th century and the social, economic and political reforms of the 19th century. England's part in the war of 1914. Carefully prepared essays. Third and fourth quarters.

COURSE III—*Twelve weeks. Five hours.*

ENGLISH CONSTITUTIONAL HISTORY—An intensive study of England's Constitutional life as exemplified by her great Charters, Parliamentary growth and party government. Reports on special topics. Third quarter.

COURSE IV—*Twelve weeks. Five hours.*

THE PERIOD OF THE REFORMATION—A careful survey of the causes. An analysis of the Reformation proper and its peculiar phases in the various countries; its culmination in the Thirty Year War. Prepared essays on special topics. Second quarter.

COURSE V—*Twelve weeks. Five hours.*

THE FRENCH REVOLUTION—A study of the causes, including the study of the despotism of Louis XIV and of his immediate successors. Special emphasis on the economic, political and social phases, including the Reign of Terror. The reaction and the evolution of the Napoleonic era. An interpretation of the historic effects on French and other European institutions. Carefully prepared papers. Third quarter.

COURSE VI—*Twelve weeks. Five hours.*

MODERN EUROPEAN HISTORY, ADVANCED COURSE—A general survey of the development of Institutionalism of Modern European Nations since 1815. The issues of the later revolutions. Development of democratic tendencies; the great inter-European wars and unification of nations. Great enterprises and jealousies during the latter part of the nineteenth and first part of the twentieth centuries, and a survey of the causes of the war of 1914. Essays. Fourth quarter.

COURSE VII—*Twelve weeks. Five hours.*

AMERICAN POLITICS—A survey of the origin and character of the political institutions of the United States. The political parties and their tenets. The issues in relation to the application of party tenets in domestic and foreign affairs. Politics in Slavery, the Rebellion, Reconstruction, the Monroe Doctrine, and the new

conception of the relation between the States and the Nation, and of our relation to World Politics. Extensive topical study.

Fourth quarter.

COURSE VIII—*Twelve weeks. Five hours.*

SLAVERY AND RECONSTRUCTION IN THE UNITED STATES—A study of the origin and character and growth of Slavery. Its social and political influences. The issues between the Southern and Northern States as to the relation between the Nation and the States. Secession and the Civil War. The issues and results of the Period of Reconstruction, to 1876. Carefully prepared papers. First quarter.

COURSE IX—*Twelve weeks. Five hours.*

INDUSTRIAL HISTORY OF THE UNITED STATES—A survey of the industrial life of the Colonial period; the pioneers of the earlier United States. The rise of manufacturing and immigration; the conquering of the West; the industrial corporations; internal and foreign commerce and modern machinery in our industrial life. Collateral reports. First and second quarters.

COURSE X—*Twelve weeks. Five hours.*

DIPLOMATIC HISTORY OF THE UNITED STATES—A brief survey of the elements and the subjects of diplomacy, and a study of some of the leading subjects of our international dealings as a nation. Reports and lectures. Second quarter.

COURSE XI—*Twelve weeks. Five hours.*

THE FRENCH NATION—A study of the origin and rise of the French Monarchy; its struggle with England and other European nations during the Middle Ages; its religious wars and the rise of her despotic regime and its overthrow. Her struggle for democracy and institutional expansion during the nineteenth century. Collateral reports. Second and third quarter.

COURSE XII—*Twelve weeks. Five hours.*

THE SOUTH AMERICAN COUNTRIES—A general survey of the origin and development of the leading countries of the Southern Hemisphere in relation to their political, economic and social life, and their relation to the United States. Lectures and reports.

Third or fourth quarter.

Note: The teacher in charge will advise the student with reference to the minor courses and collateral studies.

PHILOSOPHY

COURSE I—*Twelve weeks. Five hours.*

LOGIC—Logic is defined as the science of the Laws of Thought

as Thought. The topics discussed are the forms of thought—the Concept, the Judgment, and Reasoning; the Laws of formal thought; the different kinds of reasoning—Deduction, Induction; the Methods of Science—Guess, Hypothesis, Theory, with some attention to the philosophical principles underlying all.

COURSES II AND III—*Twenty-four weeks. Five hours.*

POLITICAL ECONOMY—This subject is regarded as the science of Wealth, or of Values, with the three departments, Production, Distribution, and Consumption. The Factors of Production, the Market or Exchange, Rent, Wages, Interest, are carefully considered; and the concrete application, Socialism, Co-operation, and Tariffs, are discussed.

COURSES IV AND V—*Twenty-four weeks. Five hours.*

ETHICS—Ethics is the science of Conduct, and Conduct is that part of human actions in which the interests of others must be reckoned with. Hence, such terms as right, wrong, duty, obligation, moral law, moral standard, must be clearly understood. Ethical theories and the development of the moral side of life are carefully attended to. The concrete, every-day life in its ethical aspects and ideals receives special attention.

SCHOOL OF EDUCATION

The work in this school leads to two degrees, the degree of Bachelor of Pedagogy, and the degree of Bachelor of Arts in Education. To be a regularly enrolled student in this department, the candidate must be a graduate of an accredited high school, or must have equivalent attainment.

Bachelor of Pedagogy Degree—The student must successfully pursue thirty-six courses, nine of which must be from the School of Education, and twenty-seven must be Academic, in order to receive the Degree of Bachelor of Pedagogy. The time required is nine quarters, which may be divided into three years of three quarters each or the quarters may be taken consecutively.

The required work for this degree must be distributed as follows: Professional work, 9 credits; English, 3; Language, 4; Science, 6 (no less than 3 credits in each Science); Related Minor 4, (to be chosen upon consultation with the head of the School); and Electives, 10 credits.

Bachelor of Arts Degree—The student must successfully pursue forty-eight courses, twelve of which must be from the School of Education, and thirty-six must be Academic. The time required is twelve quarters, which may be divided into four years of three quarters, or three years of four quarters each. In addition to the forty-eight credits, a thesis upon an educational subject is required.

The required work is the same as in the College of Arts and Sciences. Major Subject, 12; Language, 6; English, 6; Science, 6; Related Minor, 6; and Electives, 15 credits.

GENERAL COURSES IN EDUCATION

COURSES I, II, III, IV AND V—*Sixty weeks. Five hours.*

PSYCHOLOGY—Five courses in Psychology are offered. The subject is studied from the introspective, comparative, objective and experimental viewpoints. The organizing idea of the work is development, and the complex phenomena of the mind are organized around the central idea. The work is both general and educational.

Courses I, II, III, and IV every quarter. V, third quarter.

COURSE VI—*Twelve weeks. Five hours.*

PEDAGOGY—One course is offered. It is a study in detail of the institution whose specific purpose is education. This institu-

tion, the School, is studied as co-ordinate with the Church, State, Family, and the Vocation as societies of civilization. As an institution the school is seen to realize the idea which created it, and the method of its realization. Every quarter.

COURSES VII, VIII AND IX—*Thirty-six weeks. Five hours.*

METHODOLOGY—Three courses are offered. Current approved methods in the subject in the elementary course are critically studied. The work presupposes a reasonable familiarity with the common school subjects. It is not merely a study of devices. It is a study of the three processes in the art of teaching: (1) the thinking the learner does; (2) the thinking the teacher does; and (3) the handling of devices by both the learner and the teacher.

In General Method the true nature of method is studied. This is followed by the specific application of the laws of method to the elementary school subjects.

Course VII, first and fourth quarters. Course VIII, second and fourth quarters. Course IX, third quarter.

COURSES X, XI AND XII—*Thirty-six weeks. Five hours.*

SOCIOLOGY—Three courses are offered. The elements of sociology are pointed out and studied. The individual is studied as a socius; that is, as a companion, a teacher, a learner and a co-worker.

Given in their order beginning first quarter.

COURSES XIII AND XIV—*Twenty-four weeks. Five hours.*

HISTORY OF EDUCATION—Two courses are offered. The race's ideals of education as exposed by its best representatives during the progress of civilization are studied. It is not the purpose to discover a standard for imitation, but to learn what has occurred in the educational development of the past that the present and the future may be better understood.

Course I, first and third quarters. Course II, second and fourth quarters.

COURSES XV AND XVI—*Twenty-four weeks. Five hours.*

PHILOSOPHY OF EDUCATION—Two courses are offered. It is the purpose in this subject to set forth the known facts of education and to unify the different aspects. The *biological*, the *physiological*, the *sociological*, the *psychological* and *philosophical* aspects of education are carefully studied and unified.

Second and third quarters.

COURSES XVII AND XVIII—*Twenty-four weeks. Five hours.*

PAIDODOLOGY—Two courses are offered in child study. The purpose, scope, history, literature, methods and results of the child study movement are studied. Genetic psychology is especially emphasized.

Course I, first and third quarters. Course II, second and fourth quarters.

COURSE XIX—*Twelve weeks. Five hours.*

OBSERVATION AND PRACTICE—One course is offered. It consists of the observation of teachers and children at work in city schools and critiques of the work observed. Third quarter.

COURSES XX AND XXI—*Twenty-four weeks. Five hours.*

SCHOOL ADMINISTRATION—Two courses are offered. It consists of the study of (1) how to organize school systems; (2) how to manage a system of schools, and (3) how to supervise.

Third and fourth quarters.

COURSE XXII—*Twelve weeks. Five hours.*

THE AMERICAN HIGH SCHOOL—One course is offered. It consists of the study of the purpose, evolution, condition and needs of the high school; that is, of secondary education.

Second quarter.

COURSES XXIII AND XXIV—*Twenty-four weeks. Five hours.*

ETHICS—Ethics is the science of Conduct, and conduct is that part of human actions in which the interests of others must be reckoned with. Hence, such terms as right, wrong, duty, obligation, moral law, moral standard, must be clearly understood. Ethical theories and the development of the moral side of life are carefully attended to. The concrete, every-day life in its ethical aspects and ideals receives special attention.

Third and fourth quarters.

CLASSES "A," "B," AND "C" WORK FOR TEACHERS

Valparaiso University is accredited by the State Board of Education for preparing teachers for all the classes, "A," "B" and "C."

CLASS "A" WORK.

The subjects for class "A" teachers are (1) pedagogy, (2) methodology, and (3) psychology, or sociology, or philosophy of education.

CLASS "B" WORK.

The subjects for class "B" teachers are (1) psychology; (2)

methodology and (3) history of education, or philosophy of education, or sociology.

CLASS "C" WORK.

For a class "C" certificate it is necessary that the candidate be a graduate from the Department of Education of the University.

Students are given opportunity to elect other professional subjects in lieu of those indicated above for classes "A" and "B" teachers, in case the student so desires.

DEPARTMENT OF MANUAL TRAINING

The work of the Manual Training Department is organized for those who desire to prepare themselves to teach the subject and for those who are pursuing some Engineering course. Students from any department of the University may take any of the Manual Training subjects for which they are prepared.

To enter this department, the student must be a graduate of an accredited high school or must have taken an equivalent course. To obtain a diploma the student must have taught one year and have successfully pursued six quarters' work. It is also required that graduates of this department shall perform their duties in the Arts and Crafts Club. This organization meets once a week and discusses Manual Training topics.

A diploma of Manual Training is given upon the completion of this course of study.

DESCRIPTION OF COURSES

The regular work of the Department of Manual Training comprises:

COURSE I—*Twelve weeks. Five hours.*

ELEMENTARY MANUAL TRAINING—This involves work in paper, raffia, clay, pottery and bookbinding. It is applicable especially to the first four grades.

COURSE II—*Twelve weeks. Five hours.*

SLOYD—This course is applicable especially to grades five and six and consists of elementary hand tool processes and the construction of small and useful articles; e. g., rulers, letter openers, pencil trays, etc.

COURSES III AND IV—*Twenty-four weeks. Five hours.*

BENCH I AND BENCH II—These courses are applicable especially to grades seven and eight. Planing, drawing and all hand tool processes, construction of the various kinds of joints, making of useful articles, such as plate racks, footstools, book holders, etc.

COURSES V AND VI—*Twenty-four weeks. Five hours.*

BENCH III AND BENCH IV—These courses are applicable to advanced grades and high school. Construction of more difficult projects, such as chairs, tables, etc.

COURSES VII AND VIII—*Twenty-four weeks. Five hours.*

CABINET MAKING AND MACHINE WORK IN WOOD—Consisting of the construction of bookcases, desks, china closets, etc. The student makes full use of the various machines, becoming acquainted with their construction, use and care.

COURSES IX AND X—*Twenty-four weeks. Five hours.*

TURNING—This course consists of standard exercises after which many useful and interesting articles are turned.

COURSES XI AND XII—*Twenty-four weeks. Five hours.*

CARPENTRY—Framing buildings, cutting rafters, shingling, and the various processes of house building.

COURSE XIII—*Twelve weeks. Five hours.*

DESIGNING—Paper proportions, standard dimensions, etc.

COURSE XIV—*Twelve weeks. Five hours.*

FORGE—Drawing, upsetting, welding, tool-making, etc.

COURSES XV AND XVI—*Twenty-four weeks. Five hours.*

PATTERN MAKING AND FOUNDRY.

COURSE XVII—*Twelve weeks. Five hours.*

FREE HAND DRAWING.

COURSES XVIII, XIX, XX AND XXI—*Forty-eight weeks. Five hours.*

MECHANICAL DRAWING—This Course consists of lettering, drawing from models, copying from plates, projections, isometric drawing, detailed and assembled drawing of machines, shading, tinting, stippling, gearing, tracing and blue printing.

COURSE XXII—*Twelve weeks. Five hours.*

DESCRIPTIVE GEOMETRY I—Theoretical problems.

COURSE XXIII—*Twelve weeks. Five hours.*

DESCRIPTIVE GEOMETRY II—Shadows, perspective, and practical structural problems involving Descriptive Geometry.

COURSE XXIV—*Twelve weeks. Five hours.*

BOOKKEEPING.

COURSES XXV, XXVI, XXVII, XXVIII, XXIX AND XXX—*Seventy-two weeks. Five hours.*

AGRICULTURE—See School of Agriculture.

A fee of \$4.00 per quarter hour for materials used is charged for Course V. For other shop courses \$3.50 per quarter hour is charged.

During the fourth quarter special work will be given in Forge, Machine Work, Practical Carpentry and Concrete.

All courses are given every quarter except Courses I, XIV, and the courses in Agriculture. These are usually given summer quarter only.

SUGGESTIVE COURSE OF STUDY

FIRST QUARTER

Bench I
Sloyd
Free Hand Drawing
Mechanical Drawing I
Professional Work
Debating

SECOND QUARTER

Bench II
Lathe II
Cabinet Making
Machine Work
Mechanical Drawing II
Professional Work
Debating

THIRD QUARTER

Bench III
Mechanical Drawing III
Descriptive Geometry I
Professional Work
Architectural Drawing

FOURTH QUARTER

Agriculture or elective, 3 credits
Bench IV
Professional Work
Elementary Manual Training

FIFTH QUARTER

Descriptive Geometry II
Designing
Bookkeeping I
Carpentry I
Pattern Making
Foundry

SIXTH QUARTER

Agriculture or elective, 3 credits
Forge
Carpentry II

DEPARTMENT OF PRIMARY EDUCATION

This department is organized for those who desire to make a specialty of Primary Teaching in the public schools.

To enter the department, a student must be a graduate of an accredited high school, or must have completed an equivalent course. It is particularly desirable that the student be able to write a good hand, to draw well, and it is always best to have an elementary knowledge of music.

Six quarters work, four studies each quarter, are required for the completion of this course of study. The subjects pursued are taken: Ten from the Educational Department; three from the Academic; five from the Vocational Departments, and six are specialties.

The Primary Lectures deal with the nature of Primary Reading, Language, Spelling, Numbers, History, Geography, Music and Calisthenics. A study of the different plans and systems for Primary Teaching is given in detail.

A diploma will be granted to those who have satisfactorily completed the work in this department.

COURSES OF STUDY

FIRST YEAR

FIRST QUARTER

Psychology I
Methodology I
English
Primary Lectures

SECOND QUARTER

Psychology II
Methodology II
English
Primary Lectures

THIRD QUARTER

Child Study I
Elementary Manual Training
Psychology III
Primary Lectures

SECOND YEAR

FIRST QUARTER

Kindergarten Theory
Botany or Zoology
Primary Methods I
Pedagogy
Debating

SECOND QUARTER

Elocution
Child Study II
Methodology III
Music
Debating

THIRD QUARTER

Domestic Science
History of Education
Observation and Practice
Primary Methods II
Folk Games

DEPARTMENT OF KINDERGARTEN

The aim of this course is to meet the needs of the students who wish to prepare themselves as teachers of little children. Applicants for graduation must be graduates of an accredited high school or have taken an equivalent course. Students may enter this department at the beginning of any quarter.

Credit will be given for work done in any other Kindergarten schools upon proper presentation of credits.

Upon the successful completion of the first year's work a certificate will be given, and at the end of the second year a diploma may be obtained.

DESCRIPTION OF COURSES

These courses are one quarter in length, and should be taken as nearly as possible in the order given in the Outline of Study. The technical courses are given but one quarter each year unless there is a special request for a second quarter.

MANUAL ACTIVITIES—This course includes a study of kindergarten materials known as the gifts and occupations. Their main purpose is the development of self-creative activity. Students will submit original exercises with these play materials, setting forth their place and value in the constructive work of the kindergarten.

MOTHER PLAYS—This is a study of a mother's book which gives the typical play of the little child, and shows the mother how she may utilize this play spirit in the forming of the child's character and tastes and cultivate all his powers through his own activity. A study of these plays leads the student to a closer observation of children's activities, energies, amusements and occupations.

PLAYS AND GAMES—One afternoon of each week of the entire course is given to the study and practice of plays and games. Included in this course are sense games, rythmical exercises, games which promote generosity and unselfishness and stimulate imagination and invention. The play activities of the savage tribes and civilized nations will be studied and discussed.

CHILDREN'S LITERATURE—Good stories are among the most valuable means of cultivating the morals and minds of children. Through them, children may be brought to an appreciation of the value of truth, honesty, justice, unselfishness and obedience.

GARDENING—The purpose of this course is to develop a love of nature in the teacher and pupil. It includes: A study of

soil for gardens, a study of seeds, landscape gardening, and the production of flowers and vegetables under home conditions. Actual experience in making gardens will be given. Three hours lecture and four hours laboratory.

ELEMENTARY MANUAL TRAINING—The student is taught the principles which underlie Elementary Manual Training and how to successfully direct this work in the elementary grades. The course includes paper folding, paper cutting, weaving, card board construction, clay modeling, basketry and book binding. A special fee will be charged to cover the cost of materials.

OBSERVATION AND PRACTICE TEACHING—During the first year the student is prepared for practice work by assisting in the general work, by observation of the nature and habits of the children, and participating in the various physical activities of the kindergarten. In the second year practice teaching is given under the immediate supervision of the director. The student is required to assume full charge of the kindergarten for a stated period. All of the kindergarten work is done in connection with the Valparaiso Public Schools.

VISITATIONS—Visits to the different kindergartens in and near Chicago are made as often as time will permit. This is to acquaint the student with the best forms of kindergarten work in other schools.

COURSE OF STUDY

FIRST YEAR	SECOND YEAR
FIRST QUARTER	FIRST QUARTER
Psychology I Child Study I Drawing Froebelian Literature Kindergarten Observation	Psychology III Methodology Froebelian and other Literature Story Telling Drawing Practice Teaching
SECOND QUARTER	SECOND QUARTER
Psychology II Child Study II Drawing Study of Froebel's Mother Plays Kindergarten Observation and Practice Teaching Debating	Sociology Philosophy of Education Story Telling Water Color Practice Teaching

THIRD QUARTER

History of Education
Pedagogy
Chalk Modeling
Manual Activities
Practice Teaching
Mother Plays
Debating

THIRD QUARTER

Gardening
Primary Observation
Chalk Modeling
Zoology
Psychology IV
Program Making

SCHOOL OF BIBLE STUDY

In the fall of 1912 Hon. Thomas W. Phillips opened and maintained the Phillips Bible Institute at Canton, Ohio.

Before the Institute was fully started death removed its founder, and so the school with all its burdens and responsibilities passed to the care and keeping of his two sons, Thomas W. Jr. and Ben D. Phillips, of Butler, Pennsylvania.

For three years the Institute was supported at Canton by their unfailing generosity, and considerable endowment in the way of annuities was raised, but no contributions of note aided the two brothers in providing current expenses, though a faculty of five was maintained.

For many reasons, it was found advisable to remove the Institute to Valparaiso. Accordingly, on the eighteenth day of August, 1916, all the property of the Institute was formally transferred to Valparaiso University and the Institute became the School of Bible Study of Valparaiso University.

The School of Bible Study is non-sectarian and is open to all students who are seeking a religious education, either with a view of making it their profession or for its literary value.

The work leads to two certificates and one degree.

Pastoral Helpers Course—A two years course designed to aid young men and women in becoming efficient church workers, with especial view to their becoming assistants to ministers requiring helpers. Each year consists of three quarters.

Pastoral Secretary Course—A three years course designed to give higher efficiency to those seeking to become secretaries to pastors of the larger city churches. The first two years of this course are the same as the Helpers course given above.

Ministerial Course—Work in this course leads to the degree of Bachelor of Divinity. To obtain this degree the candidate must have a high school education or equivalent attainment, then successfully pursue the work here outlined. Forty-eight credits are required for graduation. A credit is defined as twelve weeks work in one subject.

PASTORAL SECRETARY COURSE

FIRST YEAR

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER
English	English	English
Between Covenants	Gospels	Gospels
Church History	Church History	Church History
Penmanship	Reading	Spelling

SECOND YEAR

FIRST QUARTER
 Shorthand
 Typewriting
 Acts
 Elective (Science)

SECOND QUARTER
 Shorthand
 Typewriting
 Epistles
 Elective (Science)

THIRD QUARTER
 Shorthand
 Typewriting
 Epistles
 Elective (Science)

THIRD YEAR

FIRST QUARTER
 First Principles
 Old Testament Introduction
 Evidences
 Sunday School
 Organization

SECOND QUARTER
 First Principles
 O. T. Introduction
 Sociology
 S. S. Organization

THIRD QUARTER
 First Principles
 O. T. Introduction
 Pastoral Ministries
 Missions

The first two years of this course constitutes the Pastoral Helpers course.

MINISTERIAL COURSE

FIRST YEAR

FIRST QUARTER
 English
 Between Covenants
 Church History
 Psychology

SECOND QUARTER
 English
 Gospels
 Church History
 Psychology

THIRD QUARTER
 English
 Gospels
 Church History
 Bible Geography

SECOND YEAR

FIRST QUARTER
 O. T. History
 Acts
 Greek
 Hermeneutics

SECOND QUARTER
 O. T. History
 Epistles
 Greek
 Homiletics

THIRD QUARTER
 O. T. History
 Epistles
 Greek
 Homiletics

THIRD YEAR

FIRST QUARTER
 First Principles
 Greek
 Logic
 Elective

SECOND QUARTER
 First Principles
 Greek
 Ethics
 Elective

THIRD QUARTER
 First Principles
 Greek
 Devotional
 Elective

FOURTH YEAR

FIRST QUARTER
 O. T. Introduction
 and Problems
 Evidence
 Elective
 Elective

SECOND QUARTER
 O. T. Introduction
 and Problems
 Sociology
 Elective
 Elective

THIRD QUARTER
 O. T. Introduction
 and Problems
 Pastoral Ministries
 Elective
 Elective

DISCUSSION OF COURSES

GENERAL STUDIES—Many of the studies of the Bible School belong in common to other departments of the University, and are described elsewhere in this catalog.

BETWEEN COVENANTS AND GOSPELS—This course begins with a brief outline of the iterim between the Old and New Testaments, and will be followed by a thorough study of the four gospels, both as to structure and material. American Standard Revision will be used as the text.

CHURCH HISTORY—Beginning of Christianity. Rise of the Church; its transition from Jew to Gentile. Rise of Ecclesiasticism. Church of the middle ages. The Reformation. Modern Christianity and its divisions.

BIBLE GEOGRAPHY—Geography of the early ages. Egypt, Palestine, Rome of St. Paul's time.

OLD TESTAMENT HISTORY—Historical outlines of the Patriarchal age, the times of Moses, the Judges and the Kings. The exile and return down to the advent of the Christ.

ACTS AND EPISTLES—A chronological study of the book of Acts. Beginning of developments in the Church. Chronological relation of Acts to the Epistles. Analysis of the Epistles. Discussion of Social Customs. Rise and development of heresies and apostolic treatment of same. Thorough exegesis of the text.

HERMENEUTICS AND HOMILETICS—Hermeneutics embraces the axioms and rules of literary interpretations as applied to interpreting the Holy Scriptures. Specific passages will be used to illustrate. Homiletics begins with a study of material for preaching. It treats of subjects for discourses, arrangement of the parts of the sermons, construction of sermons, and methods of their delivery.

FIRST PRINCIPLES—A discussion of the New Testament. A subject rich in material for sermons.

OLD TESTAMENT INTRODUCTION AND PROBLEMS—A discussion of the meaning and purposes of each of the Old Testament books.

EVIDENCES—A course confined to the New Testament. Textual integrity, genuineness of credibility. Inspiration, objections to the same answered. Fulfillment of prophecy.

PASTORIAL MINISTRIES—Practical instruction as to the duties of Ministers, advice as to the performance of every phase of pastoral work.

For further information concerning this department, address
SCHOOL OF BIBLE STUDY, VALPARAISO UNIVERSITY,
Valparaiso, Indiana

SCHOOL OF HOME ECONOMICS

The course in Domestic Economy is planned with reference to the needs of two classes of students: (1) For those who are preparing to teach cooking and sewing, and which leads to a Certificate; (2) For those who wish to enrich their academic course by the study of household arts and sciences, and which leads to the Bachelor's degree.

To obtain the certificate or the degree from this department the candidate must have a high school education or equivalent attainment, and then successfully pursue the work here outlined.

Two years (72 weeks) of College work are required for the Certificate of Associate in Home Economics, and four years (144 weeks) of College work are required for the degree of Bachelor of Science in Home Economics.

The additional requirements for the degree are an extra year in domestic science or art, in either of which the student may specialize if she so desires, and also a year of college electives in the liberal arts.

FIRST YEAR

FIRST QUARTER	Course.	Hours.
Inorganic Chemistry	1	10
Cooking	1	9
Sewing	1	9
English	1	5
SECOND QUARTER		
Inorganic Chemistry	2	10
Cooking	2	9
Sewing	2	9
English	2	5
THIRD QUARTER		
Analytical Chemistry	3	10
Physiology	1	7
Millinery	3	10
English	3	5

SECOND YEAR

FIRST QUARTER		
Household Chemistry	4	10
Cooking	3	9
Sewing	4	9
Teaching Domestic Science	9	5

SECOND QUARTER	Course.	Hours.
Invalid Cookery and Diatetics	4	10
General Sanitation	2	5
Designing	5	10
Methodology	1	5
THIRD QUARTER		
Institutional Cookery	6	10
Household Sanitation	3	3
Laundry and Crocheting	6	10
Textiles	7	5

THIRD YEAR

FIRST QUARTER		
Dressmaking	8	10
Institutional Cookery	7	10
Special Problems	8	10
English Composition	4	3
SECOND QUARTER		
Textiles	9	10
Family Cookery	8	10
Political Economy	10	5
Psychology	11	5
THIRD QUARTER		
Applied Design	10	10
Demonstrations and Contest Work	5	10
Bacteriology	4	10
Home Nursing	5	2

FOURTH YEAR

FIRST QUARTER		
Analytical Chemistry II	5	10
Special Problems	8	10
Electives		
SECOND QUARTER		
The Household	7	5
Electives		
THIRD QUARTER		
The House	6	5
Electives	4	

DESCRIPTION OF COURSES

COURSE I—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course includes a study of the nature and uses of foods,

and changes effected by heat, cold, and fermentation; uses and application of preservatives; canning; jelly-making; carbohydrates; sauces, etc.; starchy vegetables; freshening of green vegetables; cooking of strong flavored vegetables; cooking of mild vegetables; Every quarter.

A laboratory fee of \$5.00 is charged.

COURSE II—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course includes the study of sugars, chemical tests, solubility, etc.; sugar cookery; preparation of batters and doughs. Baking powder and soda—composition and use in food combinations. Methods of lightening doughs and batters. Yeast and Bread. Every quarter.

A laboratory fee of \$5.00 is charged.

COURSE III—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course includes the study of "fats." Temperatures, composition, value, sources, combinations in cookery, uses of vegetable oils, and cooking fats.

Protein—Eggs, milk, meat, cheese.

Serving of meals.

Principles of selection, preparation, and the care and manufacture of foods. Every quarter.

A laboratory fee of \$5.00 is charged.

COURSE IV—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course includes the study of applied dietetics. Invalid and institutional dietetics.

A study of the composition and nutritive value of foods.

Diet and dietaries. Second quarter.

A laboratory fee of \$5.00 is charged.

COURSE V—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course is a continuation of Course IV, and includes Demonstration, Contest work, Marketing.

Given as demanded.

A laboratory fee of \$5.00 is charged.

COURSE VI—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course of Institutional Cookery comprises the study of

cooking in large amounts. Planning meals; menus; serving; dietaries; balanced rations; cost of meals.

First and third quarters.

No laboratory fee is charged.

COURSE VII—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course is a continuation of Course VI.

Third quarter.

No laboratory fee is charged.

COURSE VIII—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course comprises the preparation and serving of meals for a family of six. Buying. Study of the different forms of service.

Given as demanded.

A laboratory fee of \$5.00 is charged.

SEWING

COURSE I—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course includes the study of the various stitches, seams, etc., and their application in the making of undergarments. Drafting. Every quarter.

COURSE II—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course includes the drafting and making of a shirt-waist; matching of plaids; something in silk; kimono. Every quarter.

COURSE III—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course includes the making of bows, flowers, etc. Frame making, and hat making appropriate to the season.

First and third quarters.

COURSE IV—*Six weeks. Eight hours laboratory and one hour lecture.*

This course includes the making of house dresses, lingerie dresses, waists. Third and fourth quarter.

COURSE V—*Twelve weeks. Ten hours laboratory.*

This course includes simple designs in flat colors, such as borders, rugs, etc.; color harmony; lettering; proportions of the human figure; designs for waists, dresses, hats, etc.; decorating and stenciling. Every quarter.

COURSE VI—*Six weeks. Eight hours laboratory and one hour lecture.*

This course includes practical work in laundry, removal of stains. Lectures. Crocheting of simple lace patterns.

Third and fourth quarters.

COURSE VII—*Twelve weeks. Five hours lecture and recitation.*

This course includes the study of the historical development of the textile industry, climatic conditions, and the manufacture of fabrics; tests.

Third and fourth quarters.

COURSE VIII—*Twelve weeks. Ten hours laboratory.*

This course includes the study of drafting systems. Designing, drafting and making of silk or wool dresses.

Given as demanded.

COURSE IX—*Twelve weeks. Ten hours laboratory.*

Detection of adulterants in fabrics, experiments in dyeing. Weaving—basketry.

Fourth quarter.

COURSE X—*Twelve weeks. Ten hours laboratory.*

This course includes a study of embroidery for underwear and dresses, table covers, sofa pillows, mats, etc. Tatting, drawn-work, knitting.

Given as demanded.

GENERAL SCIENCE COURSES

COURSE I—*Twelve weeks. Five hours lecture and two hours laboratory.*

PHYSIOLOGY—This course includes a study of Physiology and Personal Hygiene, physical training, diet, conservation of nervous energy.

Second and fourth quarters.

A laboratory fee of 50 cents is charged.

COURSE II—*Twelve weeks. Five hours lecture and recitation.*

HYGIENE AND SANITATION—This course includes a study of the occurrence, distribution, classification, and chemistry of Bacteria and their relation to man. Library work.

First and third quarters.

COURSE III—*Twelve weeks. Three hours lecture and recitation.*

HOUSEHOLD SANITATION—This course includes a study of the dwelling; its construction and furnishing in relation to health problems. Relation of germ life to water, ice, milk supplies, and to other foods, both uncooked and preserved by various methods.

Reference work. Excursions to dairies, etc.

Given as demanded.

COURSE IV—*Twelve weeks. Five hours lecture. Five hours laboratory.*

BACTERIOLOGY—This course includes studies in morphology, physiology, and reproduction of bacteria, yeasts and molds. Making of culture media, of permanent mounts; exercises in elementary analysis of air, milk and water from different sources.

Fourth quarter.

A laboratory fee of \$3.50 is charged.

COURSE V—*Twelve weeks. Two hours lecture and recitation.*

CARE OF SICK—This course includes a study of the care of the sick, bathing, bed making, and first aid. Given as demanded.

COURSE VI—*Twelve weeks. Five hours lecture and recitation.*

THE HOUSE—A study of the furnishing and management of the house from the artistic, practical, and economic standpoints. Methods of keeping household accounts. The cost of living and the apportionment of the income. Given as demanded.

COURSE VII—*Twelve weeks. Five hours lecture and recitation.*

EVOLUTION OF THE HOUSE AND OF THE FAMILY—A special study of woman's changing economic position and its effect upon the family.

COURSE VIII—*Twelve weeks. Ten hours laboratory or research work.*

SPECIAL PROBLEMS IN DOMESTIC ECONOMY—The work in this course may be along any line connected with the subject according to the preference of the student and will be in charge of the instructor under whom the work chosen would naturally fall. Given as demanded.

COURSE IX—*Twelve weeks. Five hours lecture.*

TEACHING DOMESTIC SCIENCE—Discussion of different types of equipments, of contents of courses in domestic science for various school grades, and of lesson plans. Supplementary reading required. Third and fourth quarter.

COURSE X—*Twelve weeks. Five hours lecture and recitation.*

POLITICAL ECONOMY—This subject is regarded as the science of Wealth, or of Values, with the three departments, Production, Distribution and Consumption. The Factors of Production, the Market, or Exchange, Rent, Wages, Interest, are considered; Socialism, Co-operation and Tariffs are discussed. Third quarter.

COURSE XI—*Twelve weeks. Five hours lecture and recitation.*
PSYCHOLOGY I—Every quarter.

CHEMISTRY

COURSES I and II—*Twenty-four weeks. Five hours recitation.*
Five hours laboratory.

INORGANIC CHEMISTRY III AND IV.

COURSE III—*Twelve weeks. Ten hours laboratory.*

ANALYTICAL CHEMISTRY I—Lectures and Quiz.

COURSE IV—*Twelve weeks. Five hours recitation. Five hours laboratory.*

ELEMENTARY HOUSEHOLD CHEMISTRY—A study of the composition of foods. The detection of adulterations and preservatives. The relation of cooking to the chemical composition of foods. A study of soaps and other materials in common household use. Third quarter.

A laboratory fee of \$3.50 is charged.

COURSE V—*Twelve weeks. Ten hours laboratory.*

ANALYTICAL CHEMISTRY II—Lectures and Quiz.

ENGLISH

COURSE I—*Twelve weeks. Five hours.*

FRESHMAN ENGLISH—This course includes a review of Punctuation, Diction, Construction of Sentences, and Figures of Speech. Essays, reports and a study of literary types form a part of the work.

COURSE II—*Twelve weeks. Five hours.*

HISTORY OF AMERICAN LITERATURE—ENGLISH VI.

COURSE III—*Twelve weeks. Five hours.*

SHAKESPEARE—ENGLISH VIII.

COURSE IV—*Twelve weeks. Three hours.*

COMPOSITION—ENGLISH IV.

SCHOOL OF MUSIC

The School of Music was organized forty-one years ago. It was the purpose of the founders to establish a school in which students might have all the advantages of the best musical conservatories at an expense within the reach of all. That the hopes of the founders have been realized is shown in the unparalleled growth of this department in the University.

Equipment—The Conservatory occupies a beautiful building devoted exclusively to music. There are fifty-one practice rooms in the building, each containing a piano. This permits each student to have a private practice room certain hours each day. In addition to these, there are ten large studios and special rooms for Harmony. The large and well equipped Recital Hall is well adapted for recital and ensemble work.

Faculty—Many of the teachers are professional soloists of high rank and all are specialists in their particular work. All have been pupils of the noted masters.

Courses of Study—Five courses of study are given. The first four of these are offered in both instrumental and vocal music. They are: Preparatory, Teacher's Certificate, Graduate, and Post-Graduate (Gold Medal). The fifth course is Public School Music. The time required for the completion of any of these courses of study depends upon the previous preparation, the ability, the talent and the character of the work done by the individual pupil.

Degrees Conferred—A certificate is given upon the completion of the Teacher's Course; a diploma, upon the completion of the Graduate Course; and a Gold Medal, upon the completion of the Post-Graduate Course. A diploma is given in Public School Music.

Progressive Series of Piano Lessons—In addition to its regular courses in Pianoforte, the Conservatory offers two courses in the Progressive Series of Piano Lessons. They are, the High School Course, which covers the elementary and intermediate grades; and a College, or University Course, which includes the advanced and final grades. These courses are elective and may be taken in place of the regular courses if desired. Those who are not working for a degree in music may have high school or college credit in the Academic Department of the University for work done in the Progressive Series.

Public School Music—This course is especially attractive to those who desire to teach music in the public schools. It consists of private lessons in Voice and Piano, Harmony, Sight Reading, History of Music, Notation, Public School Music, and Chorus work. The High School course in the Progressive Series of Piano Lessons is a part of the required work. During the fourth quarter a class is given for studying the best methods of presenting the subject to children.

Opera—A feature of the Conservatory is the Department of Opera, which is open to the advanced students of voice. One complete opera is produced each year. The entire cast and chorus are taken from the Conservatory students.

Chorus Work—Excellent chorus work is offered in which all students in the School of Music are requested to take part. In addition there is special training in choir work for those who are specializing in voice only. The Choir furnishes the music for Chapel exercises.

University Band and Orchestra—A University Band and a University Orchestra are maintained during the entire year. They are composed of students from all departments of the University. Their rehearsals occur once a week, thus giving to their members a splendid drill in instrumental music. They give frequent recitals and one public concert each year.

Practice and Instruments—All instrumental and voice lessons and all practice rooms are private. The piano used is the Kimball piano, the same as found in the best Conservatories of Music. Instruction is given on almost every musical instrument; Piano, Violin, Cello, Guitar, Mandolin, Cornet, Clarinet and Trombone.

Demand for Graduates—The result of the superior advantages offered and the thorough work done is that the graduates of the School of Music are sought as Soloists, Directors of Music, Organists, and as teachers in normal schools, colleges and universities.

Special Advantages—All students taking the regular course in this department have access, without additional expense, to all classes in any of the literary departments of the University. This of itself is an advantage not found in any other Conservatory of Music.

Lectures and Recitals—Lectures and recitals by the Faculty or prominent musicians from abroad are given every quarter.

A musicale is given every other week by members of the various classes at which every student of the department is expected to be present.

General Information—Sheet music and music books are for sale to the pupils at wholesale prices. No pupil is permitted to omit lessons or practice hours without sufficient excuse. No deduction is made for temporary or permanent absence from lessons or practice except in cases of illness or when one is unavoidably called away.

For sight reading, classes in ensemble for piano may be organized at any time.

REQUIREMENTS FOR THE COMPLETION OF THE VARIOUS COURSES

DEPARTMENT OF PIANO

PREPARATORY COURSE

Piano, 2 lessons per week, 1 to 3 years.

Harmony, 2 lessons per week, 48 weeks.

Chorus Practice, 48 weeks.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

TEACHER'S CERTIFICATE COURSE

One Year in Addition to Preparatory Course

Piano, 2 lessons per week.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.

Composition, 1 lesson per week, 24 weeks.

Chorus, 48 weeks.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

History of Music, 2 lessons per week, 24 weeks.

Appreciation of Music, 2 lessons per week, 24 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

GRADUATE COURSE

One Year in Addition to Teacher's Certificate Course

Piano, 2 lessons per week.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.
Composition, 1 lesson per week, 24 weeks.
History of Music, 2 lessons per week, 24 weeks.
Appreciation of Music, 2 lessons per week, 24 weeks.
Chorus practice the entire year.
One elective study each quarter of twelve weeks.
Debating, 18 weeks.
Practice, 3 to 4 hours daily.
Appearance on program and attendance at all recitals.

GOLD MEDAL COURSE

One Year in Addition to Graduate Course

Piano, 2 lessons per week.
Chorus work the entire year.
Composition.
One elective study each quarter of twelve weeks.
Debating, 18 weeks.
Practice 3 to 4 hours daily.
Appearance on program and attendance at all recitals.

DEPARTMENT OF PUBLIC SCHOOL MUSIC

FIRST YEAR

Voice, 2 lessons per week, 36 weeks.
Piano, 1 lesson per week, 36 weeks.
Harmony, 2 lessons per week, 24 weeks.
History of Music, 2 lessons per week, 24 weeks.
Appreciation of Music, 2 lessons per week, 24 weeks.
Public School Music Class, 2 lessons per week, 36 weeks.
Chapel Choir and Chorus, 36 weeks.
Child Study, or an elective study each quarter.
Practice with instrument, 2 to 3 hours daily.

SECOND YEAR

Voice, 2 lessons per week, 36 weeks.
Piano, 1 lesson per week, 36 weeks.
Harmony, 2 lessons per week, 36 weeks.
Public School Music Class, 2 lessons per week, 36 weeks.
Appreciation of Music, 2 lessons per week, 24 weeks.
Debating, 18 weeks.
Chapel Choir and Chorus, during entire year.
Psychology, or an elective study each quarter.
Special course in Public School Music during fourth quarter.
Practice with instrument, 2 to 3 hours daily.

DEPARTMENT OF VOICE

PREPARATORY COURSE

Voice, 2 lessons per week, 1 to 2 years.

Harmony, 2 lessons per week, 48 weeks.

Choir and Chorus Practice, 48 weeks.

Practice with instrument, 1 to 3 hours daily.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Appearance on program and attendance at all recitals.

TEACHER'S CERTIFICATE COURSE

One Year in Addition to Preparatory Course

Voice, 2 lessons per week.

German, Italian or French. First year's work.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.

Composition, 1 lesson per week, 24 weeks.

Choir and Chorus, 48 weeks.

History of Music, 2 lessons per week, 24 weeks.

Appreciation of Music, 2 lessons per week, 24 weeks.

Debating, 18 weeks.

Practice with instrument, 1 to 3 hours daily.

Appearance on program and attendance at all recitals.

GRADUATE COURSE

One Year in Addition to Teacher's Certificate Course

Voice, 2 lessons per week.

German, Italian or French. Second year's work.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.

Composition, 1 lesson per week, 48 weeks.

History of Music, 2 lessons per week, 24 weeks.

Appreciation of Music, 2 lessons per week, 24 weeks.

Debating, 18 weeks.

Practice with instrument, 1 to 3 hours daily.

Choir and Chorus practice, 48 weeks.

Appearance on program and attendance at all recitals.

GOLD MEDAL COURSE

One Year in Addition to Graduate Course

Voice, 2 lessons per week.

Choir and Chorus, the entire year.

Italian.

Composition.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice with instrument, 1 to 3 hours daily.

Appearance on program and attendance at all recitals.

DEPARTMENT OF VIOLIN, VIOLA AND CELLO

PREPARATORY COURSE

Violin or Cello, 2 lessons per week, 1 to 3 years.

Harmony, 2 lessons per week, 48 weeks.

Orchestra and Chorus practice, 48 weeks.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

TEACHER'S CERTIFICATE COURSE

One Year in Addition to Preparatory Course

Violin or Cello, 2 lessons per week.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.

Composition, 1 lesson per week, 24 weeks.

Appreciation of Music, 2 lessons per week, 48 weeks.

Orchestra and Chorus, 48 weeks.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

History of Music, 2 lessons per week, 24 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

GRADUATE COURSE

One Year in Addition to Teacher's Certificate Course

Violin or Cello, 2 lessons per week.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.

Composition, 1 lesson per week, 24 weeks.

Appreciation of Music, 2 lessons per week, 24 weeks.

History of Music, 2 lessons per week, 24 weeks.

Orchestra and Chorus practice the entire year.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

GOLD MEDAL COURSE

One Year in Addition to Graduate Course

Violin or Cello, 2 lessons per week.

Orchestra work the entire year.

Composition.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

DEPARTMENT OF GUITAR, MANDOLIN AND BANJO

The requirements in this department in the various courses of study are the same as in the Department of Piano, excepting the use of the different instruments.

It must be remembered that no course of study can be completed without the required number of lessons for that particular year; that is a course in Voice, Piano, Violin, Guitar, etc., could not be completed without taking two lessons per week during the entire year.

Expenses—A quarter's work in music consists of 22 piano or 22 vocal lessons, or 11 piano and 11 vocal lessons, 22 harmony lessons, and 3 practice hours every day. The expense of this is \$36.00. If the student desires to take 22 piano and 22 vocal lessons then the expense is \$58.00 per quarter. Without additional expense the student is admitted to all the work in the literary department of the University, and is expected to take at least one subject in this department every quarter. Students who are advanced in their literary work and prefer to take additional work in music may do so at the rate of \$1 per lesson; and practice, \$2.50 per quarter for an hour each day.

For the completion of the full course in Music, the following additional subjects are required: History of Music, \$3 per quarter; Composition, \$6 per quarter; Counterpoint, \$6 per quarter; Appreciation of Music, \$3 per quarter; Progressive Series, \$6 per quarter.

For those taking the Public School Music Course of study,

the expense, if paid in advance, for the Junior year is \$155.00. For the Senior year the expense, if paid in advance, is \$160.00.

The expense for those taking the full course in Music, if paid in advance for the year of forty-eight weeks, is \$165. This includes 88 piano or vocal lessons, 88 harmony lessons, 3 practice hours daily, history of music, harmonic analysis, composition, counterpoint, musical appreciation. The expense for those taking the full course in both piano and voice, if paid in advance for the year, is \$254.00.

For further information address,

SCHOOL OF MUSIC, VALPARAISO UNIVERSITY,
Valparaiso, Indiana.

SCHOOL OF FINE ART

The University offers a full course of instruction in Academic Drawing and Painting, which is divided into four sections, as follows:

I. **ELEMENTARY**—Chiefly early charcoal practice from antique fragments in outline and general light and shade, together with practice from blocks and familiar objects.

II. **INTERMEDIATE**—Same as Elementary only more advanced, more important outlines. Still life in monochrome and color.

III. **ANTIQUE**—Heads and figures from cast in full light and shade. Still life in color.

IV. **LIFE**—Portrait and figure. Composition and landscape. Any medium. From time to time the best drawings are retained which are at the end of the month put upon the wall and recorded as Honorable Mention of the author of the work.

DIPLOMA COURSE

A diploma is conferred upon students who have held the rank of "Life Students" for two years and who are graduates of an accredited high school or who have taken an equivalent course. Special students may take any work they may elect and for which they are fitted.

All regular Art students are required to take one study each quarter from the academic department of the University. Graduates must complete work in the following subjects:

ANTIQUE—Shaded head. Full figure in outline.

LIFE—Shaded head in charcoal.

Shaded figure in charcoal.

Head in oil, water color, or pastel.

Figure in oil, water color, or pastel.

STILL LIFE—Two studies, oil, water color, or pastel.

NATURE—Landscape, oil, water color, or pastel.

COMPOSITION—Oil, water color, or pastel.

PERSPECTIVE—Drawing and examination.

SKETCH CLASS—The students themselves maintain a sketch class, meeting every day, in which they pose their own models and use any medium desired.

DESIGN AND COMPOSITION—Instruction is given in the fundamental principles of construction, decorative and pictorial art. Students work out original designs in space and line composition, showing proper distribution of light and shade and harmonious schemes of color.

HISTORY OF ART—*Ninety-six weeks. Five hours.*

LITERATURE—*Forty-eight weeks. Five hours.*

BOTANY—*Twenty-four weeks. Five hours.*

PHYSIOLOGY AND ARTISTIC ANATOMY—*Forty-eight weeks. Five hours.*

ELECTIVE STUDIES—*Seventy-two weeks. Five hours.*

FIRST YEAR

FIRST QUARTER (12 weeks.)	THIRD QUARTER (12 weeks.)
1. Charcoal	1. Charcoal
2. Freehand Drawing I	2. Color Work
3. Sketch from Life	3. Sketch from Life
4. Design and Composition	4. Design and Composition
5. History of Art I	5. History of Art III
6. Mythology	6. Literature
SECOND QUARTER (12 weeks.)	FOURTH QUARTER (12 weeks.)
1. Charcoal	1. Charcoal
2. Freehand Drawing II	2. Color Work
3. Sketch from Life	3. Sketch from Life
4. Design and Composition	4. Design and Composition
5. History of Art II	5. History of Art IV
6. Literature	6. Literature

SECOND YEAR

FIRST QUARTER (12 weeks.)	THIRD QUARTER (12 weeks.)
1. Charcoal from Life	1. Charcoal from Life
2. Color Work	2. Color Work
3. Sketch from Life	3. Sketch from Life
4. Design and Composition	4. Design and Composition
5. History of Art V	5. History of Art VII
6. Physiology I	6. Physiology
SECOND QUARTER (12 weeks.)	FOURTH QUARTER (12 weeks.)
1. Charcoal from Life	1. Charcoal from Life
2. Color Work	2. Color Work from Nature
3. Sketch from Life	3. Sketch from Life
4. Design and Composition	4. Design and Composition
5. History of Art VI	5. History of Art VIII
6. Physiology II	6. Artistic Anatomy II

THIRD YEAR

FIRST QUARTER (12 weeks.)

1. Charcoal or Color from Life
2. Color Work from Nature
3. Sketch in Color from Life
4. Original Design and Composition
5. Botany I
6. Elective Study

THIRD QUARTER (12 weeks.)

1. Water Color or Oil from Life
2. Water Color or Oil from Still Life
3. Sketch from Life in Color
4. Original Design and Composition
5. Elective Studies twenty-four weeks.

SECOND QUARTER (12 weeks.)

1. Water Color or Oil from Life
2. Water Color or Oil from Still Life
3. Sketch from Life in Color
4. Original Design and Composition
5. Botany II
6. Elective Study

FOURTH QUARTER (12 weeks.)

1. Water Color or Oil from Life
2. Water Color or Oil from Still Life
3. Sketch from Life in Color
4. Original Design and Composition
5. Elective Studies twenty-four weeks.

PUBLIC SCHOOL DRAWING COURSE

The object of the Public School Drawing Course is to qualify graduates to act as teachers of drawing or supervisors of art education in the public schools.

This course extends through a period of ninety-six weeks. The candidate in order to obtain the diploma must be a graduate from an accredited High School or must have equivalent attainment prior to entering this course of study.

FIRST YEAR

FIRST QUARTER (12 weeks.)

1. Psychology
2. Charcoal
3. Freehand Drawing I
4. Mechanical Drawing I
5. Theory and Practice in first and second grade work
6. Sketch from Life
7. Design and Composition
8. History of Art I

SECOND QUARTER (12 weeks.)

1. Psychology
2. Charcoal
3. Freehand Drawing II
4. Mechanical Drawing II
5. Theory and Practice in third grade work
6. Sketch from Life
7. Design and Composition
8. History of Art II

THIRD QUARTER (12 weeks.)	FOURTH QUARTER (12 weeks.)
1. Pedagogy	1. History of Education
2. Charcoal	2. Charcoal and Sketches from Out Door
3. Water Color	3. Water Color from Still Life and Nature
4. Theory and practice in fourth grade work	4. Elementary Manual Training I
5. Sketch from Life	5. Theory and Practice in fifth grade work
6. Design and Composition	6. Sketch from Life
7. History of Art III	7. Design and Composition
	8. History of Art IV

SECOND YEAR

FIRST QUARTER (12 weeks.)	THIRD QUARTER (12 weeks.)
1. Mythology	1. Botany
2. Charcoal from Life	2. Charcoal from Life
3. Water Color	3. Color Work from Still Life
4. Theory and Practice in sixth grade work	4. Theory and practice in eighth grade work
5. Design and Composition	5. Design and Composition
6. History of Art V	6. Sketch from Life
7. Sketch from Life	7. History of Art VII
SECOND QUARTER (12 weeks.)	FOURTH QUARTER (12 weeks.)
1. Literature	1. Bookbinding and Clay Modeling
2. Charcoal from Life	2. Color from Life and Nature
3. Water Color	3. Theory and Practice in High School Drawing
4. Theory and practice in seventh grade work	4. Design and Composition
5. Sketch from Life	5. Sketch from Life
6. History of Art VI	6. History of Art VIII
7. Design and Composition	

CHINA PAINTING

The object of the China Painting Course is to qualify graduates to act as teachers of China Painting in colleges, universities or private studios.

The instruction in Ceramic Art covers processes and materials, freehand drawing, color and the practical application of design to ceramics.

Students entering this class will receive a thorough course in application of suitable designs to the well known ceramic shapes.

The study of design includes the study of organic ornament, geometric and conventionalized, and the artistic use of colors.

FIRST YEAR

FIRST QUARTER (12 weeks.)

Charcoal
Freehand Drawing I
China Painting
Sketching from Life
History of Art I

THIRD QUARTER (12 weeks.)

Charcoal
Water Color
China Painting
Sketching from Life
History of Art III

FOURTH QUARTER (12 weeks.)

Water Color and Conventional-
ization
Abstract Design
China Painting
Sketching from Life
History of Art IV
Botany

SECOND QUARTER (12 weeks.)

Charcoal
Mechanical Drawing
China Painting
Sketching from Life
History of Art II

SECOND YEAR

FIRST QUARTER (12 weeks.)

Water Color and Conventional-
ization
Abstract Design
China Painting
Sketching from Life
History of Design and Research
History of Art V

THIRD QUARTER (12 weeks.)

Water Color and Conventional-
ization
Abstract Design
China Painting
Sketching from Life
History of Design and Research
History of Art VII

SECOND QUARTER (12 weeks.)

Water Color and Conventional-
ization
Abstract Design
China Painting
Sketching from Life
History of Design and Research
History of Art VI

FOURTH QUARTER (12 weeks.)

Water Color and Conventional-
ization
Abstract Design
China Painting
Sketching from Life
History of Design and Research
History of Art VIII

Expense—The tuition in the regular department of Fine Art is \$24.00 per quarter of twelve weeks, or \$90.00 per year of forty-eight weeks if paid in advance. For the course in China Painting the tuition is \$30.00 per quarter of twelve weeks or \$110.00 per year of forty-eight weeks if paid in advance.

Students not registered in the department of Fine Art may avail themselves of the advantages of China Painting at the rate of \$12.00 per quarter for two hours each day.

SCHOOL OF PUBLIC SPEAKING

The aim of this School is four-fold:

(1) To develop in the student a good serviceable, speaking voice and acquaint him with the elements of vocal expression and the fundamental principles of common reading.

(2) To give a practical experience in all the forms of public speaking.

(3) To acquaint the student with the principles and practice of interpretative and dramatic reading, impersonation, acting, and the various forms of professional work in the lyceum and on the stage.

(4) To give scientific and critical training to teachers.

The pre-requisite for work in this School leading to a graduate or post-graduate degree is the usual University qualifications. Students unable to fulfill these requirements, however, may enter certain classes and be conditioned until by future work the conditions are removed. Special students or those not working for a degree may enter any class for which they show themselves qualified.

For the accommodation of students who are entering solely for the purpose of preparing for the lyceum or the stage, and who have no desire for a degree, a special one year course is offered. This course is explained in detail in the special bulletin of the School of Public Speaking.

Upon obtaining the consent of the Dean, students may in extreme cases make up certain courses through private lessons, eighteen (18) lessons being equivalent to one quarter's work in class.

All students working for the degree in the department are required to take in the Junior year one quarter of private lessons (12 lessons at an extra cost of \$1.00 per lesson.) These lessons may be taken any quarter which is most convenient for the student, but when once begun they should be taken regularly throughout the quarter. To take part in one quarter and part in another is unsatisfactory to both student and teacher.

Students who have had the first twelve lessons (except students working for a certificate in the department) may take as many or as few lessons as they like in a quarter.

All students expecting to graduate in the department are required to take General Elocution and Physical Culture. No advance credit in these courses will be given.

Under no circumstances shall a certificate be granted for less than one year's resident work at the University. Students who have met the requirements in all except Public Speaking may, by following a specified plan, take the work for the graduate degree in forty-eight weeks and for the post-graduate degree in seventy-two weeks.

REQUIREMENTS FOR THE BACHELOR OF ORATORY DEGREE

JUNIOR YEAR

PUBLIC SPEAKING

Courses I, II, III, IV, V, VI, VII, IX, and XI.

FRESHMAN ENGLISH

Three quarters—English I, II, and III.

LITERATURE

One quarter—English IV.

PSYCHOLOGY

Three quarters.

One appearance in public program.

SENIOR YEAR

PUBLIC SPEAKING

Courses VIII, X, XII, XIII, XIV, XV, XVI, and XVII.

SENIOR ENGLISH

Courses VII, VIII, X or XI, XII, or XIII.

HISTORY

Courses I and II or IV and V.

ELECTIVE

Two quarters of Science, Mathematics, Language or Education.

One evening program (*miscellaneous*).

REQUIREMENTS FOR THE MASTER OF ORATORY DEGREE

POST-GRADUATE YEAR

PUBLIC SPEAKING

Courses XVIII, XIX, XX, XXI, and XXII.

HIGHER ENGLISH

Courses XIV, XV, XVI, XVII and XX.

VOCAL MUSIC

Two quarters of private lessons.

FRENCH

Two quarters' work.

ELECTIVE

Two quarters' work.

The public reading of a play.

The staging of a play.

DESCRIPTION OF COURSES

The courses in this department are offered under five divisions:

- (A) *Preliminary Courses.*
- (B) *Courses in Public Speaking.*
- (C) *Courses in Dramatic Art.*
- (D) *Preparatory Courses.*
- (E) *Special Courses.*

PRELIMINARY COURSES

I. GENERAL ELOCUTION. (*Junior Course*).

The fundamental principles for good reading and speaking. Instruction is given in the proper management of the breath; the best methods of developing a good, full, resonant voice; the most advanced principles of English phonation and the theory and practice of the vocal elements of expression. Reading and recitation of illustrative extracts. The text is Winter's *Public Speaking, Principles and Practice, Parts I and II*.

First and third quarters, twelve weeks.

II. JUNIOR PRIVATE LESSONS.

Individual drill is given in voice placement and general development. Practice on representative selections and individual criticisms. *Extra tuition \$12.00. Required during the Junior year.*

Any quarter, twelve lessons.

III. PHYSICAL CULTURE AND VOICE.

This course is designed for all Juniors in the department. The development of the body for grace of movement, poise and attitude. Life Study and the beginnings of pantomime. Two hours per week for men and two for women.

First and second quarters only, twelve weeks.

PUBLIC SPEAKING

V. PUBLIC ADDRESS. (*Junior*)

Addresses for all occasions delivered. Declamation and criticism. Platform etiquette. Text: Winter's *Public Speaking, Part III*.

First quarter, twelve weeks.

VII. ADVANCED PUBLIC ADDRESS (*Junior*)

Extemporaneous speaking. Original addresses. Salesmanship. Text: Phillip's *Effective Speaking*.

Second quarter, twelve weeks.

IX. PARLIAMENTARY LAW AND PRACTICE (*Junior*)

In this course the first three weeks is given to vocabulary building. In the practice of parliamentary law, each student as a member of a class assembly presents bills, engages in floor discussions and acts at least twice in the quarter as chairman. All the various problems in parliamentary law are brought up and discussed in perfect and orderly manner. Text: Robert's *Rules of Order*.

Third quarter, twelve weeks.

XI. VOCATIONAL ADDRESS. (*Junior*)

Lecture building and delivery. Sermonizing. Hymn and Bible reading. Impromptu speaking. Advanced salesmanship. Speeches under adverse conditions.

Fourth quarter, twelve weeks.

XIII. NORMAL COURSE. (*Senior*)

A scientific study of Elocution and a study of methods in teaching elocution and reading. Text: Fulton and Trueblood's *Practical Elocution* for the first quarter and Clark's *The Teaching of Reading in Public Schools* for the second quarter.

First and second quarters, twenty-four weeks.

XV. FINISHED DEBATE. (*Senior*)

Argument building. Lectures and criticism by the instructor. Class meets twice a week for critical study or argument and twice a week for practice in debate. Text: Ketcham's *Argumentation and Debate, Part I*.

Third quarter, twelve weeks.

XVII. ADVANCED FORENSICS. (*Senior*)

Theoretical study of argument. Twice a week for text study and twice for practice in debate. Text: Ketcham's *Argumentation and Debate, Part II*.

Fourth quarter, twelve weeks.

XIX. SEMINAR COURSE. (*Graduate*)

Research work. A study of literature for adaption to public recitals.

Two hours, third quarter, twelve weeks.

XXI. ORATORY. (*Graduate*)

The writing and delivery of original orations. Criticisms. Text: Shurter's *Rhetoric of Oratory*.

Two hours, fourth quarter, twelve weeks.

DRAMATIC ART

IV. ANALYSIS OF THE PRINTED PAGE (*Junior*)

A study in literary Analysis. Interpretation of difficult passages in literature. Effort is made to acquire a quick and comprehensive understanding of difficult sentence structure as it first presents itself to the eye. Group sequence. Values. Detonation. Connotation. Text, Clark's *Interpretation of the Printed Page*.

Second or fourth quarters, twelve weeks.

VI. INTERPRETATION (*Junior*)

A study of English and American literature, both poetry and prose, from the standpoint of vocal interpretation.

Third and fourth quarters, twenty-four weeks.

VIII. DRAMATIC READING (*Senior*)

The delivery memoriter of bi-weekly selections before the class. Criticism Lectures. The study of Actional technique in Pantomime. The laws of Gesture. Text: Curry's *Imagination and Dramatic Instinct*.

First and second quarters, twelve weeks.

X. ADVANCED DRAMATIC READING (*Senior*)

The delivery of weekly selections to comprise a literary program for a full evening. Each student is required to prepare a full program during the quarter. Class criticisms. Text: Curry's *Imagination and Dramatic Instinct*.

First or second quarters, twelve weeks.

XII. ACTING AND MAKE-UP (*Senior*)

Two hours a week is given to the rehearsing of plays and two hours to the study and practice of make-up. Actual practice is given in the use of grease paints, wigs, beards, costuming material, etc. Open to seniors and post-graduates only.

Third quarter, twelve weeks.

XIV. STORY-TELLING (Senior)

This course is especially helpful for students who are preparing for Sunday School or Social Settlement work. In these particular fields there is a great demand for professional story-tellers and this course aims to acquaint the student with the various forms of story-telling in their relation to various types of audiences. Daily practice is given in the reproduction of Bible-stories, folk-lore and stories gleaned from standard periodicals. Original stories. Impromptu stories. Criticism.

Fourth quarter, twelve weeks.

XVI. SENIOR PRIVATE LESSONS.

This course is designed for students majoring in the department, although any advanced student may enter for a whole or part of the course at proportionate rates. *Extra tuition, \$24.00.*

Any two quarters, twenty-four lessons.

XVIII. MONOLOGUE (Graduate)

The study and delivery of a Shakespearian play and a modern play or a complete cutting from an approved novel. A study of impersonation. Text: Curry's "*Browning and the Dramatic Monologue.*"

First and second quarters, twenty-four weeks.

XX. GRADUATE PRIVATE LESSONS.

Given only to students who have completed Course X or its equivalent. *Extra tuition, \$24.00.*

Any two quarters, twenty-four lessons.

XXII. THE DRAMA. (Graduate)

The staging of one play each quarter. First quarter, modern drama; second, classic drama; third, modern comedy; fourth, classic comedy. Students may enter at the beginning of any quarter.

First, second, third and fourth quarters, forty-eight weeks.

PREPARATORY COURSES**A. ORTHOEPEY.**

This class is designed for students who are in need of daily drill in articulation, pronunciation and the mechanical processes of speech production. Text is Irish's *Orthoepy*.

Organized each quarter, twelve weeks.

B. SIGHT READING.

Designed for students who have satisfactorily completed Course A. Text is Bogarte's *Reader*.

Organized each quarter, twelve weeks.

SPECIAL COURSES

Courses in special lines of work, such as Motion Picture Posing; Theatrical Make-up; Stage Dancing; Character Personation in Costume, for the Lyceum or the Stage, and Oratory for preachers, oratorical contests, and the everyday professions which require practical public speaking are offered through private instruction at the same terms as the regular private lessons.

For further information address,

SCHOOL OF PUBLIC SPEAKING

VALPARAISO UNIVERSITY

Valparaiso, Indiana.

SCHOOL OF AGRICULTURE

The year 1917-18 is the fourth for the Department of Agriculture, the work having begun in the summer quarter, 1914, with special courses for the preparation of teachers. The regular line of study leading to a degree was instituted in the following Fall quarter.

To become a regular student in the Agricultural Department one must be a graduate of an accredited High School or have taken an equivalent course.

The regular course leads to a degree of Bachelor of Science in Agriculture and may be completed in twelve quarters of twelve weeks each. These may be taken consecutively, four quarters per year for three years, or three quarters per year for four years. Forty-eight credits are required for graduation. A credit here, as in other departments of the University, represents twelve weeks' work, five hours per week.

Equipment—The headquarters of the Department are in the recently completed Domestic Science and Agriculture Building. This building is a thoroughly modern structure and affords ample class rooms, and laboratories for the various lines of Crops work. The Soils and Farm Mechanics Laboratory is located in the Science Building, and is convenient and well equipped for this practice. The Farm Dairy Laboratory is supplied with a variety of such machinery and utensils as should be found in every farm dairy room. The equipment of all laboratories is supplemented from time to time to accommodate the growth of the classes and the progress of the work.

The Library of the University is provided with reference books, Experiment Station bulletins and circulars, the leading farm papers, publications from the United States Department of Agriculture, and other material for extensive study on any phase of Agriculture.

The University Gardens, comprising about twenty acres of tillable soil, are very conveniently situated near the University buildings. Many different kinds and conditions of soil are found on the area, making it an almost ideal out-door laboratory for Agricultural studies. Recently the University has been made beneficiary through the gift of the Pinney Foundation Farm, by William E. Pinney and Miss Myra Pinney. This fine tract of land contains four hundred acres and is well stocked and provided with

buildings; the total valuation is placed at \$50,000. The farm complete affords a very material addition to the equipment of the Department of Agriculture by supplying every opportunity for practical instruction and demonstration. The acquisition is now under the direction of a graduate Farm Manager, and is being used, wherever possible, in the administration of the Agricultural work.

The work of this department has invariably found a spirit of hearty co-operation among the citizens of Valparaiso and the neighboring vicinity, which has made it possible to present every course in Agriculture in its true relation to country life. This privilege of learning in the fields and farm yards surrounding Valparaiso is by no means a small item of equipment.

The work of the department is divided into three groups, the Special Preparatory Work for Teachers, the Regular Course in Agriculture and the Short Course.

SPECIAL PREPARATORY WORK FOR TEACHERS

This work is given the Summer quarter and is designed particularly to fill the requirements of the State Board of Education of Indiana. A special attempt is made to give the teacher the viewpoint that Agriculture is a science of the farm yard and of the field and not of text-books, and that his great opportunity lies in the appeal his teaching makes for the betterment of the home surroundings of his pupils. The aim of this work is to make efficient teachers of Agriculture in the public schools.

Three lines of study are suggested for the Summer quarter, Soils, Crops, and Dairy Husbandry. Other courses may be given if there is a demand for them. Credits made in this work may count toward the degree in Agriculture.

COURSE I—*Twelve weeks. Three hours recitation; four hours laboratory.*

SOILS—This course covers the elements of the subject. Classification and origin of soils; their physical properties; relation to water and air; tillage; drainage; fertility; soil management for maximum crop production.

Laboratory fee, \$1.00.

COURSE II—*Twelve weeks. Three hours recitation; four hours laboratory.*

CROPS—This course may be divided into four parts: Cereal Crops, Forage Crops, Miscellaneous Crop Studies and weeds. The following points are considered in the study of each crop:

History, character, importance, insect enemies, diseases, culture, rotation, and practical value on the farm. A study of weeds and weed seeds as adulterants is included in the course. Each student is required to make a collection of weed seeds as part of the laboratory work.

Laboratory fee, \$1.00.

COURSE III—*Twelve weeks. Three hours recitation; four hours laboratory.*

DAIRY HUSBANDRY—This course deals with the various breeds of dairy cattle, care and feeding under farm conditions, keeping milk records, testing, care and handling of milk and cream, the making and judging of butter.

Laboratory fee, \$1.00.

COURSE IV—*Twelve weeks. Three hours recitation; four hours laboratory.*

VEGETABLE GARDENING—The character, adaptation, culture, value, harvesting and marketing of Vegetable Crops are the subjects studied in this course. Each student is required to use a plot of ground for demonstration. The subject of the "School Garden" is studied intensively, both in theory and practice. This fourth course will be given if requested.

Laboratory fee, \$1.00.

The Short Course—The Short Course given during each Winter quarter should become one of the most important phases in the work of the department. It is designed particularly for those who may be so situated that a longer course in Agriculture is impossible for them. The instruction is of standard character, and yet such that it may help directly in solving the complex problems that are presented daily to the farmer. Lively interest is always shown in the Short Course classes, and a great deal of help is derived from the general discussions.

The Full or Regular Course—This part of the work in Agriculture comprises a general course in the subject, presented in such manner that the student may not lose sight of the practical side while learning the scientific ground-work for the most approved and up-to-date farm practice. Besides technical Agriculture, cultural courses—including English and Mathematics—and general scientific subjects, such as Chemistry and Botany, are required.

Special Students—It is advisable that all students follow the outlined plan of study. This is necessary because of the order of sequence in the work. However, by arrangement, students may

enroll as "specials," and carry such subjects in technical Agriculture as may seem best.

PLAN OF STUDY

The following plan of study is suggested and should be followed by the student as closely as possible:

SUBJECT	HOURS PER WEEK		CREDITS
FIRST QUARTER (FALL)	Rec. or Lec.	Lab.	
Inorganic Chemistry III (See note 1).....	5	5	1
Botany I	5	5	1
Cereal and Root Crops	3	2	2/3
Animal Husbandry I	2	6	4/5
Totals	15	18	37/15
SECOND QUARTER (WINTER)			
Inorganic Chemistry IV (See note 1).....	5	5	1
Botany II	5	5	1
Forage and Fiber Crops.....	3	2	2/3
Animal Husbandry II	2	6	4/5
Totals	15	18	37/15
THIRD QUARTER (SPRING)			
Elective Science (See note 2)	5	5	1
Botany III	5	5	1
Gardening	3	4	1
Soil Physics I	3	4	1
Totals	16	18	4
FOURTH QUARTER (FALL)			
Elective Science (See note 2)	5	5	1
English Composition	5	0	1
Algebra IV	5	0	1
Mechanical Drawing	0	5	1/3
Farm Mechanics	1	4	2/5
Totals	16	14	311/15

Note 1—If a student has not had High School Chemistry it should be taken here and College Chemistry taken later.

Note 2—Physics will be required of all students who have not had the subject.

SUBJECT	HOURS PER WEEK		CREDITS
FIFTH QUARTER (WINTER)	Rec. or Lec.	Lab.	
English Composition, con.....	5	0	1
Trigonometry	5	0	1
Mechanical Drawing, con.....	0	5	$1\frac{1}{3}$
Farm Dairying	3	4	1
Soil Physics II	3	4	1
	<hr/>	<hr/>	<hr/>
Totals	16	13	$4\frac{1}{3}$
SIXTH QUARTER (SPRING)			
English (Comp. or Lit.)	5	0	1
Analytic Chemistry	0	10	$2\frac{2}{3}$
Plane Surveying	2	6	$3\frac{3}{5}$
Veterinary Anatomy	5	2	1
Creamery Management	3	2	$2\frac{2}{3}$
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Totals	15	20	$3\frac{14}{15}$
SEVENTH QUARTER (FALL)			
English (Comp. or Lit.)	5	0	1
Bench Work	0	10	$2\frac{2}{3}$
Agricultural Chemistry	5	0	1
Poultry, Breeds and Management	3	2	$2\frac{2}{3}$
Advanced Live Stock Judging	1	4	$2\frac{2}{5}$
Economic Entomology	3	2	$2\frac{2}{3}$
	<hr/>	<hr/>	<hr/>
Totals	17	18	$4\frac{2}{5}$
EIGHTH QUARTER (WINTER)			
History VI (or elective)	5	0	1
Bacteriology	5	5	1
Genetics	5	0	1
Agricultural Analysis	0	10	$2\frac{2}{3}$
Feeds and Feeding	3	2	$2\frac{2}{3}$
	<hr/>	<hr/>	<hr/>
Totals	18	17	$4\frac{1}{3}$

NINTH QUARTER (SPRING)		Rec. or Lec.	Lab.
History VII (or elective).....	5	0	1
Feeds and Feeding, con.....	3	2	2/3
Soil Fertility	3	2	2/3
Orcharding	3	4	1
Diseases of Farm Animals.....	3	2	2/3
Farm Machinery	1	4	2/5
Totals	18	14	42/5
TENTH QUARTER (FALL)			
Political Economy	5	0	1
Bookkeeping	5	0	1
Meat Production	3	4	1
Farm Construction	1	4	2/5
Live Stock Marketing	2	6	4/5
Farm Practice (See note)	0	5	1/3
Totals	16	19	48/15
ELEVENTH QUARTER (WINTER)			
Ethics	5	0	1
Farm Management	5	2	1
Live Stock Management	5	0	1
Thesis	2	6	4/5
Farm Practice (See note).....	0	5	1/3
Totals	17	13	42/15
TWELFTH QUARTER (SPRING)			
Commercial Law	5	0	1
Farm Management	5	2	1
Thesis	3	4	1
Farm Practice (See note)	0	12	4/5
Totals	13	18	34/5
Total credits listed.....			48 ¹³ /15
Credits required for degree			48

Note—Farm Practice, although assigned a definite number of credits and listed only in the Senior year, will be fitted to the individual needs of the student as to amount, time, and character. A student entering without farm experience will be required to become familiar with farm operations at the beginning of his course.

Inspection trips not mentioned in the outline are a part of several of the courses. These include visits to various manufacturing plants, stock and dairy farms, and the International Live Stock Exposition at Chicago.

Students pursuing the full course and desiring to teach may substitute appropriate subjects from the Department of Education.

Descriptions of general courses may be found in the respective departments in this catalog. Descriptions of the courses in Technical Agriculture appear in the Announcement of the Department.

It has been assumed that regular students in Agriculture will prefer to spend the summer months in employment on the farm rather than in the class room. Therefore the course is planned so that it may be completed most conveniently by studying during the first, second and third quarters for four consecutive years.

For further information address,

SCHOOL OF AGRICULTURE

VALPARAISO UNIVERSITY

Valparaiso, Indiana.

SCHOOL OF ENGINEERING

The School of Engineering is composed of the Civil, Architectural, Electrical, Mechanical, and Chemical branches. The first two only are fully developed, the other three being carried at present through the first year only.

The object of the Civil Engineering course is to provide such training in the theory, and such practice in the field, shop, laboratory and drawing room, as to fit the student to undertake the exacting duties of the modern civil engineer.

Among these subjects are Chemistry and Bacteriology, which are very important in sanitary engineering and water supply, and are investigated to a considerable length. The course in Railway Engineering, Bridge Design, Reinforced Concrete, Masonry Construction, and Testing Materials, are practically complete to date, but are enlarged each year to keep in touch with latest engineering practice.

The work presented in the School of Architectural Engineering is a complete course of study leading distinctively toward special preparation in this field. There are two phases to this branch of science, namely, one requiring a sound knowledge of the principles and laws of engineering construction and their application involving structural safety; the other a thorough grounding in architecture involving the theory and history of architecture and technical training in design.

The course briefly outlined aims to give a thorough training in Drawing, Design and Construction supplemented by the study of Physics, English, and Chemistry. One of the first requirements is good draftsmanship so that the design may be presented in the most successful manner. Complete courses in rendering in Pencil, Pen and Brush are given. Extensive courses in History of Architecture, Architectural Design, Wood, Masonry and Steel Construction, Fire Resisting Building Construction, Heating and Ventilation, Sanitation of Buildings, and the allied subjects which have to do with proper construction are provided. Designing both from the practical and the æsthetic side, covers a large part of the course in which creative ability is constantly sought; and of equal importance are the mathematical and engineering studies.

Hence thorough courses in the Mechanics and Testing of Materials and Structural Design are given.

The design of a structure should be evolved by one having a knowledge of the structural difficulties to be met, so that an economical and safe structure may be produced and at the same time present an agreeable appearance. Consequently this course is designed to meet these requirements, with the largest emphasis on Architectural History and Design coming about the middle of the course, followed by extensive work in Architectural Engineering.

Admission—Admission to the regular Engineering courses is open to all high school graduates or those who have equivalent preparation. Examination for High School standing will be given at Valparaiso several times each year by the State High School Inspector.

Students who are properly qualified and not candidates for degrees will be admitted as special students to the classes in Engineering without examination. They must present a record of their preparation and qualifications to the Dean. All Engineering students *must be registered* with the Dean.

Engineering Societies—Both Civil and Architectural Departments have societies organized for the purpose of promoting the social and business interests of each. The American Association of Engineers has recently organized a chapter at Valparaiso University. It is planned to combine the local societies into one organization and hold weekly meetings. One-half of the meetings will be given up to student addresses and papers, and one-half to addresses from outside speakers. Discussions given by a student will follow each paper or address. A college credit will be given to all who attend and participate in sixty meetings of this kind; participation includes the reading of one paper and the engaging in twenty discussions.

DESCRIPTION OF ENGINEERING SUBJECTS

The regular college subjects will be found listed and described under their respective heads.

Texts may be changed without notice.

1. SURVEYING

Twelve weeks. Five hours lecture. Ten hours field work.

(a) PLANE—Recitations, lectures, field and office work in the theory and practice of plane surveying. The highest standards of form and style of field notes and office calculations are required.

An instrument fee of \$1.00 is charged.

Texts: Plane Surveying, Raymond. Surveying Manual—Yeoman & Tucker.

The fees required in surveying and laboratory are not for breakage. The student is required to pay for all apparatus carelessly broken.

Six weeks. Five hours office work. Five hours recitation. Camp six weeks.

(b) TOPOGRAPHICAL SURVEYING—A study of the theory and practice of the stadia, plane-table and other instruments employed in topographical surveys. A topographical survey is made of a tract of land, including city lots, open field, rough country, and a hydrographic survey is made of a portion of one of the lakes in the vicinity.

An instrument fee of \$1.00 is charged.

Text: Same as Plane Surveying.

Camp six weeks. Five hours recitation. Five hours drawing.

(c) HIGHER SURVEYING—Geodetic Surveying, Precise City Engineering, Hydrographic Surveying, Computation Practice.

2. RAILWAY ENGINEERING

Six weeks. Five hours recitation. Five hours office work. Camp six weeks.

(a) RAILWAY CURVES—This course takes up the theoretical study of simple, compound and reversed railway curves, with sufficient field practice to prepare the student for the more advanced work in Railway Location.

Text: Field Manual for Railway Engineers—Nagle.

An instrument fee of 50 cents is charged.

Six weeks. Five hours recitation. Five hours office work. Camp six weeks.

(b) RAILWAY LOCATION AND CONSTRUCTION—A complete survey of a railway some miles in length, in which the student makes the reconnaissance, preliminary survey, topography, mapping, profiling, projecting the location, approximate estimate and final location. Advanced field problems in simple, compound and transition curves.

Lectures, office and field work in railway construction, including cross-sections, calculations of quantities; haul, monthly and final estimates, etc. A complete estimate of quantities and cost of the located line, assigned reading.

An instrument fee of 50 cents is charged.

Text: Field Manual for Railway Engineers—Nagle.

Twelve weeks. Two hours lecture. Three hours drawing.

(c) RAILWAY MAINTENANCE AND ECONOMICS—The maintenance of railway track and structures; lectures; recitations, inspection trips, design, comparison of rail sections, tie plates, locks; section of road bed, freight yard, lectures on timber, treating ballast, etc. Economics of railway location, revisions, and improvements; analysis of operating expenses, as affected by grades, curves; economic estimates.

Text: Elements of Railway Engineering, Raymond.

Twelve weeks. Two hours lecture. Three hours drawing.

(d) RAILWAY STRUCTURES—Design of bridge abutments, piers, ash pits, turn tables, round houses, yard design, railway signaling.

Text: Lectures and notes.

Six weeks. One hour recitation and eight hours field work a day.

(e) ENGINEERING CAMP—Required of all Civil Engineers. Must be preceded by Plane Surveying.

The Engineering Camp is located remote from the University, selected to furnish a variety of topographical conditions. The camp is conducted on a practical plan.

Students receive the maximum amount of practice with the instruments and smaller equipment. The work of the camp covers the details of angle measurement, calculation of triangulation system, base line measurement, precise surveying, railroad reconnaissance, preliminary location, final location and topographic and hydrographic survey with transit and stadia, plane table and stadia and with stereophoto method.

Expenses for transportation to, and living at camp are paid by student at the beginning of the term. Estimated expense is fifty dollars per student.

3. APPLIED MECHANICS

Twelve weeks. Five hours.

(a) THEORETICAL MECHANICS—A study of the laws of equilibrium and motion; algebraic determination of stresses, center of gravity, moment inertia, work, energy and friction. Physics V may be substituted for this.

Text: Applied Mathematics—Vol. II Martin.

Twelve weeks. Five hours.

(b) STRENGTH OF MATERIALS—Mechanics of materials, including stresses and deformations in tension compression, shearing, torsion and flexure; also strength of long columns, continuous girders, reinforced concrete, and the elements of the theory of elasticity.

Text: Strength of Materials—Boyd.

Twelve weeks. Five hours.

(c) **ELEMENTARY REINFORCED CONCRETE**—A thoro study of reinforced concrete beam and column theory, including character of materials, slab, beam, girder and T-beam design. The value of some of the patents are also discussed.

Text: Reinforced Concrete, Vol. I—Hool.

Twelve weeks. Five hours.

(d) **HYDRAULICS**—Lectures and recitations covering the laws of motion of fluids; flow of water through orifices, open channels, and over weir, and the fundamental principles underlying hydraulic development.

Text: Hydraulics—Slocum.

4. ALGEBRAIC AND GRAPHIC STATICS

Twenty-four weeks. Five hours recitation. Ten hours drawing.

(a) **GRAPHIC STATICS**—Analysis of stresses in roof trusses under action of static and wind loads, and in bridge trusses under action of static and moving wheel loads.

Text: Modern Framed Structures Part I, Johnson, Bryan and Turneaure.

Twelve weeks. Five hours recitation.

(b) **THEORY OF STRUCTURES**—Lectures and recitations covering theory of combined stresses and influence lines; analysis in draw, cantilever and suspension bridges, arch-ribs, and steel structures. Notes on the economical design of structural parts.

Text: Part II Modern Framed Structures, Johnson, Bryan and Turneaure.

5. TESTING MATERIALS

Twelve weeks. Two hours lecture. Eight hours laboratory.

(a) **GENERAL**—An experimental study of the effects of tension, compression, torsion flexure, upon steel, wood, stone, concrete, plain and reinforced, brick, and other building materials. The student learns to judge the character and properties of building materials and to verify theoretical laws.

A laboratory fee of \$2.00 is charged.

Text: Lecture Notes—Laboratory notes by Prof. Yeoman.

Twelve weeks. Two hours lecture. Eight hours laboratory.

(b) **CEMENT AND CONCRETE**—Special and advanced work in testing materials used in masonry construction, with particular attention to cements and proportionate concretes, the effect of proportioning on the cost.

A laboratory fee of \$2.00 is charged.

Text: Concrete, Plain and Reinforced—III Edition Taylor and Thompson.

Notes by Prof. Yeoman.

6. MUNICIPAL ENGINEERING

Twelve weeks. Five hours recitation. Five hours drafting and field work.

(a) ROADS AND PAVEMENTS—Recitations and lectures on purpose, quality, location, construction and maintenance of roads and pavements; friction and resistance to rolling; tractive power of gradients; design estimates, cost, and field location of different types of roads at various grades.

Text: Hand Book for Highway Engineers Second Edition—Harger and Bonney.

Twelve weeks. Three hours lecture. Six hours drafting.

(b) WATER SUPPLY ENGINEERING—A study of the various sources of water supply; design and construction of the various methods of supplying water, methods of connection and distribution; pumping machinery, tanks and reservoirs.

Text: Public Water Supplies—Turneaure and Russel.

Twelve weeks. Three hours lecture. Six hours drafting.

(c) SEWERAGE—Systems of carriage for storm water and sewerage, separate and combined; laws of flow; field work in running profiles, profiles from contours, determining grades, computing quantities, designs of plans; specifications; contract and method of assessment.

Texts: Sewers and Drains—Marston and Fleming. Sewage Disposal—Kinnicut, Winslow and Pratt.

Twelve weeks. Five hours lecture. Five hours laboratory.

(d) BACTERIOLOGY—This course covers the microscopical examination of drinking water; qualitative and quantitative bacteriological analysis of water and sewage; practice in detecting sewage bacteria in suspected waters; the interpretation of chemical analysis bearing on bacteriological analysis, personal and public hygiene, contagion, pasteurization and sterilization.

A laboratory fee of \$3.50 is charged.

Text: Aids to Bacteriology—Moore and Partridge, or General Bacteriology—Jordan.

7. POWER ENGINEERING

Twelve weeks. Two hours lecture and recitation.

(a) ENGINES AND BOILERS—A study of steam and gas engines

as to structural detail; valves, simple and compound; link motion and reversing gears; zeuner diagrams and the theory of steam engine indicator. A similar study is made of typical boilers and the modern steam turbine.

Text: Heat Engines—Allen and Bursley.

Twelve weeks. Two hours recitation.

(b) GAS ENGINES—A brief study of gas, gasoline and oil engines with special attention given to the practical side. Contractors' small power plants and automobile engines are examined in detail.

Text: Not fixed.

8. DESIGN OF STEEL AND WOOD STRUCTURES

Twenty-four weeks. One hour lecture. Five hours drawing.

(a) BRIDGE DESIGN AND DETAILS—Definition, classes, development, design estimate of quantities, weight and cost of truss bridges and plate girders. Special attention given to shop details.

Text: Structural Engineers Hand Book—Ketchum, and Modern Framed Structures, Vol. III—Johnson and Turneaure.

Twelve weeks. Two hours lecture. Five hours drawing.

(b) STRUCTURAL DESIGN AND DETAILS—Study of the design and erection of steel frame buildings; estimates, weight, shop details and cost; also the design, erection, estimate and cost of wood frame buildings. Advanced lectures on the supply, use and preservation of structural timber.

Text: Same as Bridge Design.

9. MASONRY CONSTRUCTION

Twelve weeks. Three hours recitation. Three hours drawing.

(a) MASONRY CONSTRUCTION

Twelve weeks. Three hours recitation and lecture. Six hours drawing.

(b) MASONRY CONSTRUCTION—Principles of foundations; design of grillage, pile and reinforced concrete foundations, design of reinforced concrete beams, girders, slabs, columns, buildings, retaining walls and arches. Special study is made of the various construction companies' catalogues and the value of their patents.

Text: Masonry Construction—Baker.

10. HEATING AND VENTILATING

Twelve weeks. Three hours recitation. Three hours drawing.

A study of the principles underlying the design of the various

private and district heating plants. Each student submits designs covering systems used in residences, school or office buildings, and central heating stations. Must be preceded or accompanied by Physics III.

Text: Hand Book for Heating and Ventilating Engineers—Hoffman.

11. COST ENGINEERING

Twelve weeks. Five hours recitation.

Study of principles underlying cost and management on large and small contracts. Reading and estimating quantities from blue prints. Collection and tabulation of cost data. Study of labor conditions in various parts of the world. Comparison of costs between hand labor, animal labor, and machine labor. The human side of engineering.

Text: Engineering Office Methods—Davis.

12. INSPECTION TRIPS

Each student is required to participate in at least one inspection trip in the second year covering one or two days, and three in the third year covering three or more days.

The second year trip takes place during the first quarter and applies to Railway Engineering.

The third year trip covers Concrete Structures, Bridge and Municipal plants.

The total expenses need not exceed \$6.00 per trip. A small fee is charged to pay the general expense of the trip and arrangements.

13. SEMINAR

Twelve weeks. Three hours.

Assigned reading and reports on current and past engineering subjects. Tri-weekly meetings and discussions of leading articles of the week.

14. THESIS

Twelve weeks. One hour recitation. Five hours drawing.

The completion of a satisfactory thesis or its equivalent is required of all candidates for the degree of Civil Engineer. The subject must be submitted prior to the opening of the quarter in which it is prepared. The subject and treatment must be approved by the Dean of Engineering.

Note: The University reserves the right to retain a part of any student's work (in Engineering) for use in class instruction.

Only a small part of any one student's work will be retained.

Every student is required to have copy of text during class, when such is necessary to proper conduct of recitation.

English and Public Speaking—The Engineering profession has, for a number of years, criticized the technical schools for allowing their students to graduate without proper training in both writing and speaking good English. The Engineers are frequently called upon to address meetings and write papers. If their early training is deficient in this line, they are seriously handicapped. For this reason the student will be required to take all courses in English given in the course of study, and he is advised to take more if his time will permit.

FIRST YEAR

NO.	SUBJECT	HOURS PER WEEK		
FIRST QUARTER (12 weeks)		Rec.	Prac.	Credit
1.	Trigonometry *1-2-3-4	5	..	1
2.	Mechanical Drawing 1-2-3-4 .....	..	5	1/3
3.	Public Speaking 1-2-3-4	5	..	1
4.	English (College) 1-2-3-4	5	..	1
5.	Chemistry (C. 1) 1-3	5	5	1
		—	—	—
		4 1/3		
SECOND QUARTER (12 weeks)				
6.	Analytical Geometry 1-2-3	5	..	1
7.	Chemistry (C. 11) 2-4	5	5	1
8.	Mech. Drawing II (Projection) 1-2-3-4	5	..	1
9.	Shop, Bench and Lectures 1-2-3-4....	1	5	1/3
10.	English (College) 1-2-3-4	5	..	1
		—	—	—
		4 1/3		
THIRD QUARTER (12 weeks)				
11.	Analyt. Geom. and Calculus 2-3-A....	5	..	1
12.	Plane Surveying (C. 1) 1-3	5	10	1
13.	Descriptive Geometry (I) 1-2-3-4	5	..	1
14.	Analytical Chemistry (C. XI) 1-2-3-4..	..	10	2/3
15.	Mechanical Drawing III 1-2-3-4 .....	..	5	1/3
		—	—	—
		4		
FOURTH QUARTER (12 weeks)				
16.	Calculus 2-4	5	..	1
17.	Bacteriology 4	5	5	1
18.	Astronomy I	5	..	1
19.	Descriptive Geometry (II) 1-2-3-4....	..	10	2/3
20.	Industrial Chemistry 4	3	..	1/3
21.	Mechanical Drawing IV 1-2-3-4.....	..	5	1/3
		—	—	—
		4 1/3		

A limited number of substitutions (not over three) may be elected.

*The numbers 1-2-3-4 indicate the quarters the subject is offered.

SECOND YEAR

NO.	SUBJECT	HOURS PER WEEK		
		Rec.	Prac.	Credit
FIRST QUARTER (12 weeks)				
22.	Calculus 1-3	5	..	1
23.	Dynamical Geology 1-2-3	5	..	1
24.	Railway Maintenance and Economics (C. 2.) 1	2	3	1
25.	Physics, Course V 1	5	5	1
26.	Debating 1-2-3-4	1	..	1/3
27.	Inspection Trip and Report			1/6
		—	—	4 1/2
SECOND QUARTER (12 weeks)				
28.	Strength of Materials (C. 3) 1.....	5	..	1
29.	Algebraic and Graphic Statics I (C. 4.)	5	5	1
30.	Economic Geology 2-4	5	5	1
31.	Physics, Course VI	5	5	1
		—	—	4
THIRD QUARTER (12 weeks)				
32.	Differential Equations (Optional) 1...	5	..	1
33.	Theoretical Mechanics	5	..	1
34.	Algebraic and Graphic Statics II (C.4)	5	10	1
35.	Reinforced Concrete I (C. 3.)	5	..	1
36.	Physics, Course VII	5	5	1
		—	—	5
FOURTH QUARTER (12 weeks)				
37.	Higher Surveying (C. 1)	5	5	1
38.	Topography (C. 1)	5	5	1
39.	Railway Curves (C. 2)	5	5	1
40.	Railway Location and Construction (C. 2)	5	5	1
		—	—	4

THIRD YEAR

NO.	SUBJECT	HOURS PER WEEK		
		Rec.	Prac.	Credit
FIRST QUARTER (12 weeks)				
41.	Hydraulics (C. 3)	5	..	1
42.	Theory of Structures (C. 4)	5	..	1
43.	Testing Materials (General) (C. 5) ..	2	8	1
44.	Roads and Pavements (C. 6)	5	5	1
45.	Debating 1-2-3-4	1	..	1/3
46.	Inspection Trip and Report			1/6
		—	—	—
SECOND QUARTER (12 weeks)				4 1/2
47.	Bridge Design (1) (C. 8)	1	5	1
48.	Municipal Engineering (C. 6)			
	Water Supply	3	6	1
49.	Testing Materials (Cement and Concrete) (C. 5)	2	8	1
50.	Heating and Ventilating (C. 10) ...	3	..	3/5
51.	Engines and Boilers (C. 7)	2	..	2/5
52.	Inspection Trip and Report			1/6
		—	—	—
THIRD QUARTER (12 weeks)				4 1/6
53.	Bridge Design (2) (C. 8)	1	6	1
54.	Municipal Engineering (Sewerage) (C. 6)	3	6	1
55.	Masonry Construction (C. 9)	3	3	3/5
56.	Gas Power (C. 7)	2	..	2/5
57.	Commercial Law 1-2-3-4	5	..	1
58.	Inspection Trip and Report			1/6
		—	—	—
FOURTH QUARTER (12 weeks)				4 1/6
59.	Structural Design (C. 8)	2	4	2/3
60.	Masonry Construction (C. 9)			
	(Reinforced Concrete, Stereotomy) ..	3	6	2/3
61.	Cost and Management Engineering (C. 11)	3	5	1
62.	Thesis (C. 13) 1-2-3-4	1	5	1
63.	Railway Structures (C. 2).....	2	3	1/3
64.	Seminar (C. 12).....	3	..	1/3

4

Total Credits Listed.....51 1/3

Upon the satisfactory completion of fifty of above credits the degree of Civil Engineer is conferred.

DESCRIPTION OF COURSES IN ARCHITECTURAL ENGINEERING

The regular college subjects are described under their respective heads.

Texts may be changed without notice.

FREEHAND DRAWING

This subject is one of much importance to the architectural student. It affords a training to both hand and eye which at once gives facility in handling the pen and compass in the later work of the course. Considerable attention is given to rendering in charcoal, pencil, pen and ink, and water color.

A. 1. FREEHAND DRAWING—Freehand Drawing mainly in pencil from simple geometrical models. Practice in elementary water color work is also given.

A. 2. FREEHAND DRAWING—Freehand Drawing in charcoal from forms and casts of Architectural ornament.

A. 3. FREEHAND DRAWING—Freehand Drawing in pencil from decorative forms and casts of Architectural ornament.

A. 4. FREEHAND DRAWING—Continuation of Course 3. Freehand Drawing in water color.

A. 5. FREEHAND DRAWING—Freehand exercises in pen and ink drawing of architectural subjects.

ARCHITECTURAL DRAWING AND ELEMENTS OF ARCHITECTURE

The aim here is to train the student to draw well, neatness and accuracy being essential. Drawings explaining the construction of various details of a house, such as cornices, windows, doors, partitions and floors are made. A large number of drawings of the classical orders are also made in order that the student may become accustomed to good architectural proportions. Shades and shadows are accurately cast and the drawings rendered in India ink and water colors.

A. 6. ARCHITECTURAL DRAWING AND ELEMENTS OF ARCHITECTURE—Drawing and rendering of architectural details as explained above.

A. 7. ELEMENTS OF ARCHITECTURE—Continuation of A. 6 to follow A. 9. Study of mouldings, elements, the orders, etc. Text: Vignola, The Five Orders of Architecture.

A. 8. SHADES AND SHADOWS—Study of the principles of casting

shades and shadows from text and applications of them in drafting room practice. Text: McGoodwin, Architectural Shades and Shadows.

A. 9. ARCHITECTURAL PERSPECTIVE—This subject comprises the study of the principles and theory of perspective, methods and problems in perspective, oblique perspective, 45 degrees perspective, and parallel perspective. Numerous architectural applications of these principles are made in solving a large number of plates in the drafting room. Text and professor's notes.

A. 10. BUILDING CONSTRUCTION—Study of wood construction, kinds of wood and their uses in buildings; materials, methods and processes of construction. Complete construction of frame buildings from the rough framing to the interior finish. Working drawings and details. Study of text, lectures, drawings and inspection of buildings. A complete set of framing plans are made. Text: Kidder's Building Construction and Superintendence Part II.

A. 11. BUILDING CONSTRUCTION—Continuation of Course A. 10.

HISTORY OF ARCHITECTURE AND RESEARCH

Study of the history of architecture from the time of the early Egyptians to the present day. General history is briefly noted so that the history of the people as it influenced their architecture may be seen. The origin and characteristics, the conditions, materials, and structural methods of each period as well as the decoration and planning are studied, by means of lectures, recitation, and assigned reading. Independent research work and drawings are required. Text: A History of Architectural Development—Simpson.

A. 13. HISTORY OF ARCHITECTURE AND RESEARCH—Study of Ancient architecture of the eastern countries, Egypt, Western Asia, Greece and Rome. Lectures, recitation and assigned reading in connection with research work. Text: Same as above.

A. 14. HISTORY OF ARCHITECTURE AND RESEARCH—Christian and Byzantine Architecture, Romanesque styles in Italy and other European countries. Early development of the Gothic. Text: Same as above.

A. 15. HISTORY OF ARCHITECTURE AND RESEARCH—Gothic Architecture of Italy, France, England and other European countries. Text: Same as above.

A. 16. HISTORY OF ARCHITECTURE AND RESEARCH—The Renaissance in Europe. Study of modern styles. Text: Same as above.

ARCHITECTURAL DESIGN

The principles of design and their application. Study of the disposition and arrangement of the different elements in such a way as to produce a pleasing appearance. The requirements and planning of various kinds of buildings are studied. Problems of different materials of construction and for different classes of buildings.

A. 18. COMPOSITION AND DESIGN—An introduction to the field of design giving the elementary and fundamental principles of design. Composition and grouping of simple forms. Exercises and study of examples. Text: Lectures, notes and references in library.

A. 19. ARCHITECTURAL DESIGN—The underlying principles of architectural design. Study of the requirements and planning of buildings. Problems requiring accurate draftsmanship and rendering. Text: Numerous References in Library.

A. 20. ARCHITECTURAL DESIGN—A continuation of course 19. Original problems to be worked out in the drafting room.

A. 21. ARCHITECTURAL DESIGN—Continuation of Course 20.

A. 22. ARCHITECTURAL DESIGN—Continuation of Course 21.

A. 23. ARCHITECTURAL DESIGN—Continuation of Course 22.

A. 24. ARCHITECTURAL COMPOSITION—To be taken with Architecture 21. Discussion of unity, individuality, subordination, analysis of buildings, primary and secondary masses, details and proportion. Text: Robinson, Architectural Composition.

A. 26. BUILDING CONSTRUCTION—Study of masonry construction, materials and processes. Kinds of soil and types of foundations most suitable. Varieties of stone and their use in buildings, also the manufacture and use of brick in building construction. Study of text, lectures, drawings and inspection of buildings. Complete design of a masonry building. One inspection trip to some nearby point may be made a part of A. 26 or A. 27 as one condition for credit in this subject. Text: Kidder's Building Construction and Superintendence, Part I. Kidder's Architect and Builders Pocketbook.

A. 27. BUILDING CONSTRUCTION—Continuation of Course 26.

A. 29. DESIGN—Advanced problems in Construction. The nature of the problems is varied, and will include such as the making of footing plans, the design of floors, the design of roofs, footings,

and others of a similar nature are worked out. Study of text and regular periods of design in the drafting room. Text: Kidder's Building Construction and Superintendence Vols. I and III. Kidder's Handbook, and Carnegie Handbook.

A. 30. FIRE-RESISTING BUILDING CONSTRUCTION—Study of the theory and practice of fire prevention and fire protection as applied to building construction, fire tests and materials, and fire resisting design. The different types of fire-resisting construction are carefully noted, together with special structural features. Attention is also given to sprinkler systems and other safeguards. One inspection trip to Chicago is a part of this course and is particularly required for credit in this subject. Text: Freitag, Fire Prevention and Fire Protection as applied to Building Construction.

A. 31. STEREOTOMY—Stonework Application of the principles of descriptive geometry. Problems in plane-sided structures, intersecting arches, and warped surfaces. Architectural stonework. Recitations and drawing. Text: French,—Ives, Stereotomy.

A. 32. BUILDING ILLUMINATION—Study of lighting fixtures and the different methods of artificial lighting used in buildings.

A. 33. HEATING AND VENTILATING—See description under Civil Engineering.

A. 35. BUILDING SANITATION—Study of plumbing, fixtures, methods and materials. General study of sanitary plumbing. Proper arrangement of fixtures, sewage removal and disposal. Systems of water supply and drainage of buildings. Testing of plumbing work and sewage disposal of isolated dwellings. Class room work and drawings. Text: Starbuck, Modern Plumbing Illustrated.

A. 36. SPECIFICATIONS AND ESTIMATING—Practical methods of obtaining cost data. Forms of specifications, preparation of documents showing the importance of accuracy in the expression of thought intended. Text: Arthur, The New Building Estimator.

A. 37. ARCHITECTURAL ENGINEERING—Design and erection of steel frame buildings, more especially high building construction. Details of construction and methods of erection. Study of text and work in drafting room. Text: Freitag, Architectural Engineering.

A. 38. ARCHITECTURAL ENGINEERING—Continuation of Course 37.

A. 39. THESIS. DESIGN.

A. 40. The satisfactory completion of an extended problem in design consisting of complete drawings and description, is required to complete the course.

For the description of the courses in Plane Surveying, Theoretical Mechanics, Strength of Materials, Algebraic and Graphic Statics, Hydraulics, Theory of Structures, Testing Materials, Bridge Design, Reinforced Concrete, Inspection Trips, and Cost and Management Engineering, see the description of courses in the department of Civil Engineering.

FIRST YEAR

A=Architecture.

SUBJECT	HOURS PER WEEK		
FIRST QUARTER (12 weeks)	Rec.	Prac.	Credit
Mechanical Drawing I *1-2-3-4 .....	..	5	1/3
Trigonometry 1-2-3-4	5	..	1
Freehand Drawing (A. 1) 1-2-3-4 .....	..	6	1/3
Shop, Bench and Lectures 1-2-3-4	1	5	1/3
College English 1-2-3-4	5	..	1
Chemistry (C. 1) 1-3	5	..	1
SECOND QUARTER (12 weeks)			
Analytical Geometry 1-3	5	..	1
Freehand Drawing (A. 2) 1-2-3-4 .....	..	6	1/3
Mechanical Drawing II 1-2-3-4	5	..	1
Architectural Drawing and Elements of Architecture (A. 6)	2	9	1
Descriptive Geometry I 1-2-3-4	5	..	1
THIRD QUARTER (12 weeks)			
Analytical Geometry and Calculus 2-4	5	..	1
Shades and Shadows (A. 8)	3	6	1
Freehand Drawing (A. 3) 1-2-3-4 .....	..	6	1/3
Plane Surveying (C. 1) 1-3	5	10	1
Debating 1-2-3-4	1	..	1/3
FOURTH QUARTER (12 weeks)			
Calculus 1-3	5	..	1
Architectural Perspective (A. 9)	2	6	2/3
Composition and Design (A. 18)	1	3	1/3
Descriptive Geometry II 1-2-3-4 .....	..	10	2/3
Building Construction (A. 10)	3	6	1
Debating 1-2-3-4	1	..	1/3

*The numbers 1-2-3-4 indicate the quarters when that subject is offered.

SECOND YEAR

SUBJECT	HOURS PER WEEK		
	Rec.	Prac.	Credit
FIRST QUARTER			
Calculus 1-3	5	..	1
Physics, Course V	5	5	1
Freehand Drawing (A. 4) 1-2-3-4 .....	..	6	1/3
History of Architecture and Research (A. 13)	3	..	2/3
Elements of Architecture (A. 7)	2	9	1
Building Construction (A. 11)	2	4	1/2
SECOND QUARTER (12 weeks)			
Strength of Materials (C. 3)	5	..	1
Algebraic and Graphic Statics I (C. 4)	5	5	1
Physics, Course VI	3	2	2/3
History of Architecture and Research (A. 14)	3	..	2/3
Freehand Drawing (A. 5) .....	..	6	1/3
Architectural Design (A. 19)	1	8	2/3
THIRD QUARTER (12 weeks)			
Theoretical Mechanics	5	..	1
Algebraic and Graphic Statics II (C. 4)...	5	10	1
Building Construction (A. 26)	2	6	2/3
History of Architecture and Research (A. 15)	3	..	2/3
Architectural Design (A. 20)	2	8	2/3
FOURTH QUARTER (12 weeks)			
Physics, Course VII	5	..	1
Building Construction (A. 27)	4	6	1
History of Architecture and Research (A. 16)	3	..	2/3
Architectural Design (A. 21) .....	..	9	1/2
Architectural Composition (A. 24)	3	4	2/3

A limited number of approved substitutions (not over three) may be elected.

THIRD YEAR

SUBJECT	HOURS PER WEEK		
	Rec.	Prac.	Credit
FIRST QUARTER (12 weeks)			
Hydraulics (C. 3)	5	..	1
Design (A. 29)	4	3	1
Testing Materials (General) (C. 5)	5	..	1
Architectural Design (A. 22) .....	..	6	1/3
Stereotomy (A. 31)	1	4	1/3
Building Illumination (A. 32)	2	..	1/3
SECOND QUARTER (12 weeks)			
Heating and Ventilation (A. 33)	3	..	2/3
Design (A. 23)	3	6	1
Testing Materials (Cement and Concrete) (C. 5)	5	..	1
Fire Resisting Building Construction (A. 30)	4	3	1
Building Sanitation (A. 35)	3	3	2/3
THIRD QUARTER (12 weeks)			
Reinforced Concrete I (C. 3)	3	3	1
Specifications and Estimating (A. 36)	3	..	3/5
Commercial Law 1-2-3-4	2	8	1
Architectural Engineering (A. 37)	5	6	1
Thesis, Design (A. 39) .....	..	6	2/5
FOURTH QUARTER (12 weeks)			
Architectural Engineering (A. 38)	3	6	1
Reinforced Concrete Construction (C. 9) ..	2	8	1
Cost and Management Engineering (C. 11)	5	..	..
Thesis, Design (A. 40) 1-3 .....	..	20	2

Upon the satisfactory completion of the above subjects the degree of Architectural Engineer will be conferred.

LAW SCHOOL

The Law School was instituted in 1879. It stands for sound learning, complete utilization of time, and minimum expense. It aims to give a practical and thorough training in law to men and women who possess sufficient maturity, earnestness, and ability to sustain the demands of serious professional study.

The School occupies a comfortable building, with well appointed recitation and library rooms, and offices for the instructors. A good working law library, which is constantly being added to, is maintained in the building, and its use is free to law students from 9 A. M. to 9 P. M. The general library of the University is also open to law students without additional charge.

Length of Course—The three-year course, announcement of which has been made in previous publications of the University, will begin in September, 1917. The new course will extend through three school years of thirty-six weeks each, in place of two years of forty weeks each as heretofore. The change will not affect members of the Class of 1918, which will be the last to graduate from the two-year course.

The School Year—The school year 1917-18 will open on Tuesday, September 18, 1917, and will close for the first-year class on Thursday, May 23, 1918, and for the second-year class on Thursday, June 20, 1918.

Class work will begin on Wednesday, September 19, 1917.

The quarter system which prevails in most of the other departments of the University does not apply to the Law School. For the first year class the year will consist of a Fall term, a Winter term and a Spring term, each twelve weeks in length. For the second-year class the Fall and Winter terms will comprise twelve weeks each, and the Spring term sixteen weeks.

An intermission of two school days occurs between terms. There are no other vacations, and the only holidays are Thanksgiving day and Christmas day. A year at this school is therefore a year of uninterrupted study—a day's instruction for nearly every working day spent in residence.

Admission of Regular Students—The following persons are admitted to the first year without examination as candidates for the degree of Bachelor of Laws:

1. Graduates of standard colleges, upon production of their diplomas or certificates of graduation.

2. Applicants not less than eighteen years of age, upon production of certificates from an accredited four-year high school or preparatory school showing the successful completion of at least fifteen units (the usual college entrance requirement, equivalent to four years of high school work). The blank form of certificate attached to the cover page of this catalog may be used for this purpose, if desired.

Combined Courses in Arts and Law—Students who have completed three years (nine quarters) of work in the College of Arts and Sciences, or who have completed equivalent work in any other standard college, may enter the Law School and may count the first year of the law course both toward the degree in arts and toward the degree in law. Such students will receive the degree of A. B. upon the satisfactory completion of one year in law, and the degree of LL. B. upon the satisfactory completion of the law course. By electing the combined courses students may obtain the two degrees in six years; and by taking nine consecutive quarters of college work, may further reduce this time to five and one-fourth calendar years.

Advanced Standing—Students who have attended another law school of high grade after becoming qualified to enter this school are entitled without examination to such standing as their properly certified credentials may entitle them. Applicants under this rule may present credits for second-year subjects instead of first-year subjects which they have not had, and may take the latter with the first-year class.

Credit cannot be given for work not done in residence at a law school.

Conditioned Students—Persons who have attained the age of twenty-one years and who present not less than fourteen units will be permitted to enter the first year of the law school upon condition that *before entering the second year*, they complete work in the High School Department sufficient to make up their deficiency. Such persons are advised, however, to finish their preliminary education before beginning the study of law. One and one-third units may readily be completed in the High School Department during the Summer quarter preceding the opening of the school year in September.

Special Students—Persons who cannot qualify as candidates for the degree but who are not less than twenty-one years of age and produce evidence of such training and experience as should enable them to pursue with advantage the study of law may be admitted as special students by the consent of the faculty. Those who wish to enter under this rule should make written application to the Dean, stating their age, education, experience, occupation, and the names of two or more persons acquainted with their character, ability and attainments. Such applicants should not present themselves for registration before receiving assurance from the Dean that their applications have received favorable consideration.

Registration—Students are expected to register in person on or before the first day of the Fall Term, and will not be received after October 1, unless they have done sufficient work in law to enable them to proceed with the class. No encouragement can be given to those who desire to obtain the degree in less than the required time.

COURSE OF STUDY

The course of study is a graded one, and includes the subjects most necessary in the practice of law and most commonly required by bar examiners. During the school year 1917-18 only the first-year subjects of the three-year course and the second-year subjects of the two-year course will be given. The list of second-year subjects will be revised for the year 1918-19. Third-year subjects will not be offered until the year 1919-20.

The program of study for the year 1917-18 will be as follows:

FIRST YEAR

ELEMENTS OF LAW. Part of Fall Term (Tu.-S.). *Forty-eight hours.* Robinson's *Elementary Law* (1st ed.); Bowman's *Lectures* and Bowman's *Questions and Exercises on Elementary Law*; Woodruff's *Introduction to the Study of Law*; Pound's *Introduction to Study of Law*.

PRINCIPLES OF LIABILITY. Fall Term (M.), Winter and Spring Terms (M., Tu.). *Sixty hours.* Beale's *Cases on Legal Liability*.

CONTRACTS. Fall Term (M.-F.) and Winter Term (W., Th., F.). *Ninety-six hours.* Huffcut and Woodruff's *Cases on Contract* (2d ed.); Anson's *Law of Contract* (Huffcut's 2d ed.); Bowman's *Lectures and Problems in Contract*.

- PROPERTY. Fall and Winter Terms (W., Th., F.). *Seventy-two hours*. Warren's *Cases on Property*.
- CRIMINAL LAW AND PROCEDURE. Fall and Winter Terms (M. Tu.), Spring Term (M., Tu., W.). *Eighty-four hours*. Beale's *Cases on Criminal Law* (3d ed.); Beale's *Criminal Pleading and Practice*.
- CIVIL PROCEDURE AT COMMON LAW. Part of Fall Term (Tu.-S.), Winter Term (M., Tu.), Spring Term (M., Th., F.). *Seventy hours*. Sunderland's *Cases on Common Law Pleading*; Stephen's *Pleading* (Tyler's ed.); Bowman's *Lectures and Problems in Contract*.
- TORTS. Winter and Spring Terms (W., Th., F.). *Seventy-two hours*. Ames and Smith's *Cases on Torts* (Pound's ed.).
- BAILMENTS AND CARRIERS. Spring Term (Tu.-F.). *Forty-eight hours*. Goddard's *Cases on Bailments and Carriers*; Goddard's *Outlines of Bailments and Carriers*.

SECOND YEAR

- SALES OF PERSONAL PROPERTY. Fall Term. *Thirty hours*. Benjamin's *Cases on Sales and Principles of Sales* (2d ed.).
- BILLS AND NOTES. Fall and Winter Terms. *Forty-five hours*. Bigelow's *Cases on Bills, Notes and Cheques* (2d ed.); McMaster's *Irregular and Regular Commercial Paper*.
- CODE PLEADING. Fall Term. *Sixty hours*. Sunderland's *Cases on Code Pleading*; Bowman's *Code Pleading and Practice*; Hepburn's *Historical Development of Code Pleading*.
- PARTNERSHIP. Fall and Winter Terms. *Forty-five hours*. Gilmore's *Cases on Partnership*.
- REAL PROPERTY. Fall and Winter Terms. *Sixty hours*. Reeves' *Real Property*.
- TRUSTS AND MORTGAGES. Winter Term. *Twenty-five hours*. Reeves' *Real Property*.
- MOOT COURT. Fall Term. *Twenty hours*.
- EVIDENCE. Winter and Spring Terms. *Seventy hours*. Wigmore's *Cases on Evidence* (2d ed.).
- CORPORATIONS. Winter and Spring Terms. *Sixty hours*. Warren's *Cases on Private Corporations* (2d ed.).
- TRIAL PRACTICE. Winter and Spring Terms. *Fifty hours*. Sunderland's *Cases on Trial Practice*.
- PRACTICE COURT. Winter and Spring Terms. *Forty hours*. Bowman's *Outlines for Practice in the University Circuit Court*.

CONSTITUTIONAL LAW. Spring Term. *Seventy hours.* Wambaugh's *Cases on Constitutional Law.*

WILLS AND ADMINISTRATION. Spring Term. *Fifty-five hours.* Costigan's *Cases on Wills, Descent and Administration.*

Books—All books above listed are essential. Editions other than those named above should be avoided. A law dictionary is indispensable, and a set of Blackstone's Commentaries will be found useful. Second-year students can make profitable use of their State statutes.

Method of Instruction—The instruction is given mainly by the discussion of legal principles as found in reported cases. There are also occasional lectures and a large amount of practice work. This method is the result of much study of the needs and capabilities of students and is designed to develop the power of legal reasoning and to give a practical knowledge of legal principles.

The practice work consists of exercises in the use of authorities, drafting legal papers, and practice in the two courts of the Department—The University Moot Court and the University Circuit Court. Participation in these courts is required of all second-year students.

Practice Courts—In the University Moot Court questions of law are argued orally before a member of the faculty sitting as judge. Credit is given on the basis of excellence of argument, skill shown in finding authorities, and attendance.

The University Circuit Court is organized, so far as possible, like an authoritative tribunal. It is presided over by an instructor of wide experience on the bench, and members of the class perform the duties of the various officers and act as counsel. The court meets five hours a week during two court terms of four weeks each. The first term is the pleading term, during which actions are instituted, process is issued under the seal of the court, pleadings are filed, the resulting questions are argued, causes are brought to issue and a full record of the proceedings made. The second term is the trial term. During this term causes at issue are tried, witnesses subpoenaed, juries impanelled, witnesses examined, arguments made to court and jury, verdicts rendered, subsequent motions argued, and cases brought to judgment and execution or appeal.

Examinations and Standings—Regular examinations in writing are held upon the completion of the various subjects. Deficiency

examinations in the subjects of the first year are held during the week preceding the opening of the Fall Term.

Examinations, recitations and attendance are taken into consideration in estimating grades. The standing of students is indicated by the letters A, B, C, D, and E, representing *Excellent*, *Good*, *Fair*, *Conditioned*, and *Failure*, respectively.

Not more than one hundred hours of conditioned work in any one year may be counted toward the degree. Conditions not exceeding one-third of the work of a year may be removed by passing deficiency examinations before entering the next higher year. Conditions in excess of one hundred hours in any year not so removed must be removed in class.

A failure in any subject can be made good only by repeating the subject in class.

Students who have been conditioned or have failed in more than one-third of the work of a year are classified again in the same year and repeat the subjects in which they are deficient, taking only such work in the advanced class as the faculty may deem advisable.

Graduation—The degree of *Bachelor of Laws* is conferred upon regular students who have satisfactorily completed the course of study. Higher degrees in law are not given.

Students admitted to advanced standing must complete at least one year's work in this school in order to receive the degree.

A regular student who is not entitled to graduate with his class may receive his degree upon making up his deficiencies within two years thereafter.

Instruction in Other Departments—The instruction given in other departments of the University is also open to students of the Law School without additional charge except for laboratory courses and private lessons in oratory, music, etc. Those who wish to avail themselves of this privilege must procure the written consent of the Dean. A student should not attempt to take more than one subject besides law.

Public Speaking—Training in Public Speaking is given in the School of Public Speaking, and law students are encouraged to avail themselves of the privileges of this department. The Dean of the School is a University graduate with several years advanced study in his field, including special training in university methods. Two of the courses offered are particularly adapted to the needs of law students. The first of these is called Public Address, and deals with the practical forms of speech

making, extempore and impromptu oratory, the building of short addresses, and the like. The second course is Finished Debate, in which a text-book is used and weekly practice in debate is given.

Preliminary—Persons who are lacking in preliminary education are invited to consider the courses offered by the High School Department and the Preparatory Department. Classes in these departments are formed every quarter. Hence those who desire such instruction will find suitable classes at any time they may enter. Students in these classes are more mature than pupils in ordinary high schools and common schools, and are able to complete the work in less time. Those preparing for the study of law may therefore proceed as rapidly as their capabilities permit.

Many States require a high school course or its equivalent as a preliminary to the study of law. The High School Department provides an effective means of complying with these requirements. By writing to the Dean of the Law School, any applicant may obtain information as to the requirements of the State where he expects to practice.

Expenses—The tuition fee is seventy-five dollars a year, payable in advance and not ordinarily refunded when a student leaves before the end of the school year.

Every student will be asked to contribute two dollars toward the support of athletics during the second and third terms, and will receive in return free admission to all athletic contests. Moneys thus collected will be at the disposal of the Student Council.

No matriculation fee is charged. For each deficiency examination there is a charge of three dollars; for each subject repeated, when taken in addition to regular work, five dollars. The diploma fee is seven and one-half dollars. Official certificates of admission to the State and Federal courts cost five dollars.

All fees are payable at the University office.

The other principal expenses of a student for thirty-six weeks may be estimated as follows:

Board	\$99 to \$108
Room rent (two in a room)	18 to 54
Fuel and light	11 to 20
Text books	15 to 35

Total.....\$143 to \$217

Some allowance should also be made for clothing, laundry and incidentals. These need not be more than at home.

The price of the books used in class, new, is about fifty dollars a year. A good law dictionary, new, costs four dollars; the best, nineteen and one-half dollars. Used books may be obtained for less and may be sold when the subjects are completed, thus greatly reducing the expense. By sharing books with a classmate even this expense may be cut in half.

Commencement Week—The Baccalaureate address occurs on Sunday, the Senior Class Exercises on Tuesday, the Reunion of Alumni on Wednesday, and Commencement on Thursday of the closing week of the law year in June.

Law Bulletin—More detailed information concerning the Law School is given in the Law School Bulletin, a copy of which may be obtained by applying to

THE LAW SCHOOL, VALPARAISO UNIVERSITY
Valparaiso, Indiana

SCHOOL OF PHARMACY

The School of Pharmacy graduated its first class in 1893. Every branch of pharmacy is taught in this department. The School prepares for the duties of the pharmacist, and, at the same time, provides an excellent preparation for the study of medicine and dentistry, or for many other scientific and professional vocations. It also prepares the student for analytical work in both chemical and pharmaceutical lines of research.

Equipment—The School of Pharmacy is located in one of the newest and best equipped buildings of the University. This building is a three-story structure, 60x120 feet. The walls are constructed of Bedford stone and pressed brick with lining throughout of builders' terra cotta. This building is provided with all modern conveniences; is well lighted and ventilated. The total floor space is 21,600 square feet. In all, there are eight separate laboratories in which the different kinds of laboratory work in pharmacy are done. Each laboratory is supplied with special modern apparatus. These laboratories have a capacity for twelve hundred students daily. The facilities and equipment of the School of Pharmacy are entirely adequate.

Courses of Instruction—Four courses of instruction are offered in the School of Pharmacy. These lead to the degree of *Graduate in Pharmacy or Ph. G.*, *Pharmaceutical Chemist or Ph. C.*, *Post-Graduate Course*, or *Ph. G.*, and *Bachelor of Science in Pharmacy or B. S. in Pharm.*

THE GRADUATE IN PHARMACY COURSE comprises two years of nine months each. Each year is divided into three quarters of twelve weeks each, with an interim of three months between Junior and Senior years.

This is the most popular course in the School of Pharmacy because it is designed to prepare the student for the duties of the retail pharmacist.

While this course is not planned especially for the purpose of fitting students for examination, those who complete it should be able to pass any state board, and are qualified to fill responsible positions.

The curriculum is so arranged that the subjects pursued will prepare the student for all the studies to be taken up in the succeeding quarters, thus preserving logical sequence in the order in which the different subjects in the course in Pharmacy are pre-

sented. It is also arranged in conformity to the outline given in the Pharmaceutical Syllabus. However, in every instance there is offered and required a greater number of hours than indicated in the outline given by the National Committee. To a very limited extent, students may elect certain branches in other departments of the University in place of the branches in the curriculum. They also have the privilege of taking additional work without extra charge, with the exception of private instruction in music, etc.

THE PHARMACEUTICAL CHEMIST COURSE comprises two years of forty-eight weeks each, or ninety-six weeks. Since the demand for pharmacists of broad professional attainments is increasing with each passing year, this course has been arranged to furnish a more thorough training than could possibly be given in the Ph. G. course of seventy-two weeks. Graduates of this course are exceptionally well prepared for all kinds of pharmaceutical and general chemical work. They are especially qualified for the different phases of analytical chemistry which will enable them to fill positions in pharmaceutical laboratories, food laboratories, and in the various manufacturing establishments. On the other hand they have obtained, either one of the best foundations possible for a study of medicine, or the educational qualifications necessary to make them sought for as teachers of chemistry.

THE POST-GRADUATE COURSE comprises one year of nine months. This course is made up of work from both of the other courses, selected to meet the need of each individual student. This does not imply that the student is to have *less* than a complete program for each day. He must select, or have selected for him as many hours work per day as are required of the regular pharmacy student.

This makes an excellent review for those who have been out of touch with school work for a time. Because of the fact that selection of subjects is made with regard to the needs of the student, it makes this course preparatory to board examinations. Non-registered pharmacists may avail themselves of this special course for reviewing those particular subjects in which they feel themselves least qualified. They may enter any quarter in the year.

THE BACHELOR OF SCIENCE IN PHARMACY COURSE—This course comprises three years of four quarters each or one hundred forty-four weeks. It is designed to add scholastic training to the work presented in pharmacy proper and is arranged to include the

Ph. C. course, having the same entrance requirements, namely, four years' high school or equivalent attainment.

Graduates from this course are exceptionally well trained to fill the position of pharmacist, chemist or teacher, the last year of the course being particularly adapted to the needs of the teacher of science. It will be observed that the regular Ph. C. course gives ample training in chemistry and botany. To this is added either zoology or geology. In case physics is desired it may be made the elective. To this there is also added a full year's work (four quarters) in psychology and pedagogy, a second year's work in French or German, and three quarters in higher English.

In addition to being a training course for teachers of science it constitutes a very practical foundation for the profession of dentistry or medicine.

The Faculty—The Faculty consists of men of scientific attainment as well as having a wide range of experience in practical pharmacy. A number of members of the Faculty are either interested in a retail pharmacy establishment or have been at some former time. This assures those who attend this school of pharmacy that the practical side of their profession will not be overlooked.

The University is usually able to obtain situations for all graduates who do not find positions without its assistance.

Advantages—The School of Pharmacy, being located in a small city, is free from the influences which detract from a close attention to study upon the part of the student. Thus more can be accomplished in the same time than is accomplished where the student's time is divided between school work and outside employments and diversions.

It is not considered desirable for students to find employment in stores for any part of their time while pursuing this course.

The practical side of pharmacy is in no way underrated by the School of Pharmacy, but it is to the student's best interest to give his undivided time to his studies while taking the course. Certainly not more than one-half as much can be learned in a school of pharmacy where the time is divided between school work and store practice.

It must be understood that here instruction is given five days in the week throughout the entire school year.

The living expenses in a small city are much lower than in a large city. This makes it possible to take the complete course at

much less expense than would be incurred when taken in institutions differently situated. Students may enter at the beginning of any quarter, but it is earnestly recommended that in so far as possible entrance be made at the beginning of the school year in September.

Requirements for Admission—The educational requirements for admission to the Graduate in Pharmacy Course is a certificate of having completed at least two years of a recognized high school course, or the equivalent determined by examination.

For the Pharmaceutical Chemist Course and the Bachelor of Science in Pharmacy Course a certificate of graduation from a recognized high school offering a four years' course is required or the equivalent as shown by properly certified credentials.

For the Post-Graduate Course only those may enter as candidates for a degree who have had a Ph. G. course in this or some other recognized school of pharmacy.

For purposes of review work not leading to a degree, anyone may enter.

All applicants for admission to any of the courses must be of good moral character, and at least seventeen years of age.

Credentials must be presented at the time of entrance.

Requirements for Graduation—Candidates for graduation must have met the admission requirements, and must have completed all the subjects designated in the course of study with a mark of at least 80%, and with a record of attendance not falling below 80%. Examinations are given at the end of each twelve weeks upon the subjects covered during that quarter. There are also final examinations in Chemistry, Materia Medica, and Pharmacy which are obligatory, 80% being the minimum passing mark.

Credits will be accepted from other institutions where the admission requirements and the character of the work are equivalent to that offered by this Institution. Anyone who receives a degree in any of the courses in pharmacy must have attended the full Senior year in this University.

The degree of Graduate in Pharmacy will be given to those who complete the seventy-two weeks' course and also to those completing the thirty-six weeks' Post Graduate Course and who are eligible for a degree.

The degree of Pharmaceutical Chemist will be given to those completing the ninety-six weeks' course and the degree of Bachelor of Science in Pharmacy to those completing the one hundred forty-four weeks' course.

Fees and Expenses—The University fees are payable each quarter in advance. Those who pay for the entire year are given a liberal reduction. The expenses in detail are as follows:

General tuition, each quarter, twelve weeks.....	\$ 20.00
Tuition for Junior and Senior Years, Ph. G. Course, six quarters, if paid in advance.....	110.00
Experimental Chemical Laboratory Fee, two quarters, each	3.00
Analytical Chemical Laboratory Fee, two quarters, each..	4.00
Physical Laboratory Fee, one quarter.....	2.50
Pharmaceutical Laboratory fee, two quarters, each.....	7.00
Dispensing Laboratory Fee, one quarter.....	7.00
Physiological Laboratory Fee, one quarter.....	1.00
Botanical Laboratory Fee, two quarters, each.....	1.50
Physiological Chemical Laboratory Fee, one quarter.....	2.50
Volumetric Chemical Laboratory Fee, one quarter.....	3.50
Mineralogy Fee, one quarter.....	1.00
Alkaloidal Chemical Laboratory Fee, one quarter.....	3.50
Histological Laboratory Fee, one quarter.....	1.00
Tuition for Junior and Senior Years, Ph. C. Course, eight quarters, paid in advance.....	145.00
Bacteriological Laboratory fee, one quarter.....	3.50
Water Analysis Fee, one quarter.....	2.50
Advanced Analysis (Gas, Ore and Iron) Fee, one quarter	4.00
Synthetic Organics Fee, one quarter.....	7.50
Food Analysis Fee, one quarter.....	12.00
Microscopy Fee, one quarter.....	2.00
Blow-Pipe Analysis Fee, one quarter.....	2.00

In case a student takes advantage of the liberal reduction mentioned above and later decides to withdraw from the University, all fees are returned excepting for the preceding and current quarters. It is to be understood that the regular quarter rates are charged for the time in school including that quarter in which he withdraws. Thus no one is obliged to continue work in this Institution if he is dissatisfied.

Students who enter upon any course in Pharmacy have the privilege of taking other studies in the University without additional cost. There are always many students each year who avail themselves of this opportunity to improve in some special branch.

For further information address,
SCHOOL OF PHARMACY, VALPARAISO UNIVERSITY
Valparaiso, Indiana

SCHOOL OF MEDICINE

The School of Medicine was established by the University in 1901. It is located in Chicago and Valparaiso. Chicago was chosen for the clinical work because of its great abundance of clinical material, and because here are physicians who are devoting their life work to some special branch of Medicine and who can be secured as teachers. The Chicago Department is known as the Chicago College of Medicine and Surgery.

The curriculum is so arranged that students may complete the Pre-Medical, Freshman and Sophomore years at Valparaiso and the Junior and Senior years in Chicago, or the full five years' course may be taken in Chicago, thus accommodating those who may from choice prefer living in a large city.

Owing to the fact that all students of the School are required to finish their course in Chicago, the School operates under the laws of the state of Illinois and complies with all the requirements of the Illinois State Board of Health concerning registration and graduation of students.

Buildings and Equipment—The new Medical Building at Valparaiso is fully equipped for the presentation of the subjects required in the Pre-Medical, Freshman and Sophomore years. The first floor of the building contains the Biological and Physiological laboratories and their supply rooms. Both laboratories are well equipped with all apparatus needed for their respective work.

On the second floor are the Histological, Pathological and Bacteriological laboratories, fully equipped with microscopes, sterilizers, incubators, microtomes, and everything necessary for the best methods of study. The main lecture room is found on this floor. It contains a lantern with opaque attachment and projection microscope. The private laboratory and office of the Dean are also located on this floor.

The third floor contains a large, well lighted and well ventilated dissecting room, private room, bone room and recitation room. The building is steam heated and lighted by electricity.

The School secures an abundance of material for human dissection through the State Anatomical Association.

In Science Hall, adjoining the Medical building, are the lecture rooms in chemistry, pharmacy, and materia medica. This building contains the chemical, pharmaceutical and materia medica laboratories, also the special laboratory for work in physiological chemistry, toxicology, and urinary analysis.

The buildings in Chicago are located on Lincoln Street, directly opposite of and west of the Cook County Hospital, and in the midst of the greatest hospital and medical center of the United States.

The main Medical Building and Free Dispensary is a well-lighted, steam-heated, four-story and basement structure, with a frontage of 100 feet on Lincoln street. There are in this building two large amphitheatres seated with modern opera chairs, two recitation rooms, a pathological laboratory, histological laboratory, bone laboratory, clinical laboratory, retiring rooms for both ladies and gentlemen, and numerous clinic rooms. Each student is provided with either a wooden or steel locker for his individual use. These are mostly located in the basement floor of the building. The main building, which is used exclusively for teaching purposes, has a total floor space of about 30,000 square feet.

Hospitals—The Frances Willard Hospital adjoins the main Medical Building on the south and is connected with the larger amphitheater by a steel corridor. It is especially well equipped for all kinds of general hospital work. It contains two amphitheatres for the use of medical students in the Department of Surgery, and also has one of the best X-ray laboratories in the West.

This hospital is an indispensable aid in the clinical teaching of Medicine and Surgery, and it is greatly appreciated by members of the Junior and Senior classes. The attending staff of the hospital is composed mainly of members of the faculty of the School of Medicine.

The Cook County Hospital is situated directly opposite the School of Medicine. This is one of the best equipped hospitals in the country. It has medical, surgical and obstetrical wards, also a clinical amphitheater with a seating capacity of six hundred. The detention hospital and the hospital for contagious diseases are in adjacent buildings. Clinical lectures are delivered each week in this hospital, embracing surgery, practical medicine, gynecology, ophthalmology, and otology. It can be easily understood that a hospital having a daily attendance of between seven and eight hundred patients affords an excellent opportunity for the study of not only general diseases, but of rare and interesting cases. The majority of accidents and other surgical cases are taken directly to such an institution.

Autopsies with lectures and demonstrations are held several days weekly by the pathologist.

Several members of the Faculty of the School of Medicine are on the attending staff of the Cook County Hospital.

Courses of Instruction—The University offers the regular course in medicine leading to the Degree of Doctor of Medicine, comprising eight months' work each year, for five years. The arrangement of subjects in the five years is as follows, the Faculty reserving the right to change this schedule whenever it appears advisable.

PRE-MEDICAL YEAR

Chemistry, Physics, Biology, German or French, Osteology, Materia Medica.

FRESHMAN YEAR

Anatomy, Histology, Physiology, Medical Chemistry, Materia Medica, Physiological Chemistry, Embryology.

SOPHOMORE YEAR

Anatomy, Pathology, Bacteriology, Therapeutics, Clinical Diagnosis, Neural Anatomy, Applied Anatomy, Minor Surgery, Physiological Diagnosis.

JUNIOR YEAR

Medicine, Surgery, Toxicology, Therapeutics, Pediatrics, Neurology, Genito-Urinary Diseases and Gynecology, Obstetrics, Pathology, Dietetics.

SENIOR YEAR

Medicine, Surgery, Toxicology, Gynecology, Obstetrics, Ophthalmology and Otology, Dermatology and Venereal Diseases, Therapeutics, Clinical Pathology, Pediatrics, Diseases of the Chest, Throat and Nose, Neurology, Medical Jurisprudence, Dental Surgery, Hygiene and Sanitary Science.

Combined Collegiate and Medical Course—This course covers a period of six college years. The first two years are spent almost entirely in the College of Arts and Sciences. In this time the student must successfully pursue all studies demanded in the Pre-Medical year and such work as is required for graduation in a literary course. The third year the student matriculates in the College of Medicine and continues in this school for the remainder of the six years. The first two years of the Medical work are counted as equivalent to the last two years of the literary course.

The University strongly advises everyone who possibly can to take this double course. A person cannot be too well prepared for the life of a physician. To be able to write well and to speak well and to think clearly are accomplishments just as necessary to a doctor's success as to success in any other profession. The success of the leading physicians of the United States, finan-

cially and socially, and in their life of service, is due to a thorough preparation for their chosen career, that of the Doctor of Medicine.

The Faculty—The Faculty consists of men not only of ability to teach the various branches which have been assigned to them, but who have achieved reputation as instructors and practitioners of the branches they teach.

If there is one thing above another which distinguishes this Institution from others, it is the teaching ability of its Faculty.

Clinical Advantages—The high standing of the instructors and their connection with the numerous hospitals of the city are of the greatest importance to the School in securing increased clinical facilities for its students.

The free dispensary receives special attention. The students are given the opportunity to see and examine for themselves a large number of clinical patients each year. Graduates of other schools frequently come to this School for another year of work on account of its clinical advantages.

Requirements for Admission—Twenty-two states at this date require one year of college work, and seventeen states require two years of work beyond the high school, in addition to the four-year Medical Course.

The combined Collegiate and Medical Course in this Institution offers to high school graduates and those with equivalent preparation the opportunity to get this additional training.

A. Admission to the Four-Year Course:

Candidates for the four-year course in Medicine will be admitted upon the following conditions:

1. Presentation of a bachelor's degree from an approved college or university, provided such degree includes work indicated in 2, or

2. Presentation of grades covering one year of college work in Biology, Chemistry, Physics, and French or German, in addition to a four-year high school course, covering 15 units of specified work.

B. Admission to the Five-Year Course:

For admission to the preliminary college year, students must have completed a four-year course of at least fifteen units in a standard accredited high school or other institution of standard secondary school grade, or have its equivalent as demonstrated by an examination conducted by a duly authorized examiner of the College Entrance Examination Board, or by the authorized ex-

aminer of a standard college or university or by an examiner whose certificates are accepted by such approved standard colleges or universities. A detailed statement of attendance at the secondary school, and a transcript of the student's work is kept on file. This evidence of actual attendance at the secondary school or schools is obtained from every student no matter whether he is admitted by examination or on presentation of acceptable credentials.

High school and academy graduates enter the five-year course by presenting a complete or unconditional medical student's certificate, to be granted by a state medical examining and licensing board, or a board empowered by statute to grant such certificates, or a certificate of entrance to the academic department of any state university, or a certificate of entrance to an accredited university or college, providing that said certificate is granted on no less than the following requirements:

(a) A diploma and transcript of record from a fully accredited high school, normal school or academy requiring for admission evidence of the completion of a standard course in primary and intermediate grades, and for graduation, the completion of a standard four-year high school course, embracing two years (2 units) of mathematics, three years (3 units) of English, two years (2 units) of one foreign language, one year (1 unit) of American History, and seven years (7 units) of further credit in language, literature, history or science, making the total of units at least fifteen; and, in addition, one year each of Physics, Chemistry, Biology, and French or German of college grade.

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a year of at least thirty-six weeks, periods to be not less than forty minutes in length.

The term "accredited" as applied to high schools, academies, colleges and universities means institutions of that type that have been investigated and are accredited by the State University of their respective states, or by the North Central Association of Colleges and Secondary Schools, the Association of Colleges and Preparatory Schools of the Southern States, the Association of Colleges and Preparatory Schools of the Middle States and Maryland, the New England College Entrance Certificate Board, the Association of American Universities and the Association of State Universities.

(b) For the high school requirement an examination totaling 15 units.

Medical College Entrance Examinations in Illinois—An amendment to the act regulating the practice of medicine in the State

of Illinois, approved June 25, 1908, and effective July 1, 1908, reads as follows: "And provided further that the diploma of any approved high school or equivalent school having a course of studies requiring an attendance through four school years or a certificate of having passed a satisfactory examination before the State Superintendent of Public Instruction or like State officer, in the studies embraced in the curriculum of such approved high school, shall be considered a satisfactory evidence of preliminary education." The State Superintendent of Public Instruction has appointed two deputies as a board of examiners to conduct such examinations for entrance into medical colleges under the following conditions:

1. The certificate issued to a successful candidate must show the subjects covered by the examination, the units earned, and the per cent of attainment in each.

2. A unit shall represent the standard amount of knowledge gained in a recognized high school by the successful study for at least thirty-six weeks of five recitations per week.

3. Minimum degree of efficiency required, 70 per cent.

4. Each candidate is to show that he is entitled to receive a total of fifteen (15) units, as outlined in the standard of requirements laid down by the Illinois State Board of Health.

5. Not more than six public examinations shall be held by the board of examiners each year. The examination of each candidate shall be written upon questions approved by the Superintendent of Public Instruction. The manuscript from all examinations shall be kept on file for one year. Each candidate will be notified by mail as to the results of his examination. A fee of five dollars is required by law to be paid by each candidate before he begins any examination, and no part of this fee will be returned to the candidate after the examination has begun. No private examinations will be given. Each examination will begin promptly at 8:30 a. m., and will continue for two days. No allowance will be made for tardiness.

All applicants, to receive the certificate, must make the fifteen units in not more than three examinations; not fewer than seven units may be made in the first examination, five in the second and the remaining three in the third examination. Each trial shall be regarded as a separate examination, for which a fee must be paid.

If an applicant fails to make the fifteen units in the three examinations, all grades made shall lapse.

Documentary evidence of work done in a recognized secondary school may be offered to this board in lieu of part examination.

Before entering the examination the candidate will be required to indicate the optional studies in which he wishes to be examined and he must agree to the conditions prescribed by the State Superintendent and Board of Examiners, from which no deviation will be allowed.

Work of the Preliminary College Year—As outlined by the Council on Medical Education of the American Medical Association and the Association of American Medical Colleges:

The preliminary college year shall extend through one college session of at least thirty-two weeks of actual instruction, including final examinations.

In excellence of teaching and in content, the work of this preliminary college year shall be at least equal to the work done in the freshman year in standard colleges and universities which enforce for admission at least fifteen units for accredited high school work, and exact for graduation at least 120 semester hours* of collegiate work.

This preliminary college year shall consist of at least thirty semester hours,* fully completed before the student enters the medical school. This is entirely in addition to the secondary school work, or to any of the required sciences in which the student may be conditioned. Additional college credits are necessary also, to make up any deficiencies there may be in high school credits. For example, if a student completed only three years of high school work before entering "college," then two years of collegiate work (60 semester hours) should be required before he is admitted to the medical school.

The preliminary college year shall include courses in Physics, Chemistry, Biology and French or German, each science course to embrace at least eighteen semester hours of didactic and laboratory work in each subject as shown in the accompanying schedule, provided that the requirement in biology may be satisfied by presenting six semester hours of college zoology; and provided that the requirements in physics may be satisfied by presenting one unit of high school physics, including laboratory work, and completing four semester hours of college physics which continues and does not duplicate the work done in the high school. Under no arrangement, however, should there be a total of less than thirty semester hours.

*Or its full equivalent in other terms of measurement.

Graduation—A candidate for the degree of Doctor of Medicine must be 21 years of age and possess a good moral character. He must have attended four (or five, see requirements for admission) courses of study in four calendar years, each annual course to have been of not less than thirty-two teaching weeks' duration, and he shall have attended not less than eighty per cent of the exercises in each course of study for which credit is sought. Allowance for absence will be granted only for illness of the student or his immediate family. No student shall be graduated unless he shall have attained a passing grade in each and all subjects of the required curriculum.

The last year's course shall have been taken in this Institution.

All indebtedness to the school shall have been paid.

Failures and Conditions—A failure can be made good only by repeating the work and passing an examination. A condition must be made good by passing an examination, which is regularly held at the end of the semester following that in which the condition was incurred. If the condition is not made up at this time it becomes a failure and the study must be repeated in class.

Any student whose record is unsatisfactory may be warned, placed on probation or advised to withdraw. A student whose work is poor may be set back in rank or required to spend additional time or take extra studies before receiving his degree. The additional time may vary from a year to a semester, or he may be required to take additional courses in any department in which his grades are low. In such case he may receive no credit toward graduation for the grades which made such action necessary. He may be assigned to a smaller number of recitations than the standard and be required to reach a correspondingly higher grade in them.

No Freshman deficiencies may be carried into the Junior year.

No Sophomore deficiencies may be carried into the Senior year. No Junior deficiencies may be carried into the second semester of the Senior year.

Any student failing in branches representing more than one-third the hours of work of a year is classified again in the same year, and repeats the subjects in which he has failed, taking only such work in the advanced class as does not conflict with these subjects.

Advanced Standing—Students with the required preliminary education who have pursued equivalent courses in recognized med-

ical schools and for whom properly certified records are directly transmitted to this college will be admitted to such standing as their credentials may be adjudged to entitle them.

Special Students—Persons twenty-one years of age, who do not possess all of the requirements for admission and are not candidates for a degree, are permitted to enter upon giving satisfactory evidence that they are prepared to take advantageously the studies which they desire. Such students are expected to select their studies from courses open to freshmen. If they desire to take studies to which only advanced students are regularly admitted, they must show special preparation for such courses.

Special students who desire subsequently to become candidates for a degree must satisfy the regular entrance requirements.

Graduates in Medicine—A graduate from another Medical School may obtain a diploma from this School by complying with the following conditions: He must meet all entrance requirements; he must be in residence attendance at least one full college year; he must take all the courses included in the Senior year and pass an examination in each and every subject in the curriculum of this year. He must conform to all requirements for graduation demanded of students of this School, and he must submit the diploma obtained from the other Medical School.

Fees and Expenses—A liberal reduction will be made for the payment of fees in advance for a period of more than one year, but all fees thus advanced will be refunded except for the current year. Thus, no one is obliged to remain in the School of Medicine longer than one year unless he is entirely satisfied.

The fees are exceptionally low, considering the high standing of the Institution, and the excellence of the work. No medical school in this country, whether State or private, offers the same class of instruction at less expense.

Those who may need assistance to defray a part or all of the expenses incurred while attending the course in medicine should state their needs when applying for admission.

PRE-MEDICAL YEAR

Matriculation Fee	\$ 5.00
Tuition	75.00
Laboratory Fees	25.00

FRESHMAN YEAR

Tuition	\$125.00
Laboratory Fees	25.00

SOPHOMORE YEAR

Tuition	\$125.00
Laboratory Fees	25.00

Book List Subject to Change: Anatomy—Cunningham, Piersol; History—Bailey, DeWitt, Piersol, Ferguson; Physiology—Howell; Chemistry—Holland, Smith, Matthews; Materia Medica—Wilcox; Pathology—Delafield and Prudden, Adami, Stengel and Fox; Chemical Pathology—Wells; Bacteriology—Jordan; Minor Surgery—Wharton; Physical Diagnosis—Butler, Slade; Embryology—McMurrich, Bailey and Miller.

For further information, address,
SCHOOL OF MEDICINE, VALPARAISO UNIVERSITY,
Valparaiso, Indiana.

SCHOOL OF DENTISTRY

A very important factor in the successful teaching of Dentistry is to be able to supply an abundance of clinical material. This can be done in a large city.

The University is regularly affiliated with the Chicago College of Dental Surgery, one of the oldest and best established Dental Schools in Chicago. The high standard of excellence for which this College is known throughout the world will be maintained, and it will continue to add to its curriculum and equipment as the Science and Art of Dental Surgery advances.

Buildings and Equipment—The School of Dentistry occupies its own building at the corner of Harrison and Wood Streets in Chicago. The building is a five story and basement structure of Bedford Stone, pressed brick and terra cotta. Its location is ideal. It stands in the center of the great medical and hospital district of Chicago. Students are thus, from the very beginning of their course, brought into close contact with both Dentistry and Medicine, and the atmosphere of student life permeates the entire locality.

There are in this building two amphitheaters for general teaching purposes and a clinical amphitheater for teaching oral surgery. There are also numerous laboratories for teaching the science and art of dentistry.

A library is maintained by the School as a separate and distinct feature of the Institution. It is free to all of the students. It contains the leading medical and dental journals besides many valuable texts and reference books upon the various subjects of Dentistry, and is in charge of an experienced librarian.

The regular opening of each college session is the first Tuesday in October of each calendar year.

Students must enter this School at this time, or not later than ten days thereafter. The complete course consists at present of four years of thirty-two weeks each. The curriculum is arranged as follows:

FIRST YEAR	SECOND YEAR
Anatomy	Anatomy
Chemistry	Chemistry, Organic and Physio- logic
Histology	Physiology and Hygiene
Physiology	Histology, Dental
Dental Anatomy and Operative Technic	Bacteriology
Prosthetic Technic	Prosthetic Dentistry
Applied Physics	Operative Dentistry
	Metallurgy
THIRD YEAR	FOURTH YEAR
Pathology	Dental Pathology
Therapeutics and Materia Medica	Therapeutics and Materia Medica
Lectures and Practical Operative Dentistry	Lectures and Practical Operative Dentistry
Lectures and Practical Pros- thetic Dentistry	Lectures and Practical Prosthetic Dentistry
Bacteriology	Oral Surgery
Orthodontia	Orthodontia
Oral Prophylaxis	Oral Hygiene and Prophylaxis
Crown and Bridge Work	Surgical Clinic
Radiography	Dental History and Economics
Physical Diagnosis and Anes- thesia.	Dental Ethics and Jurisprudence
	Physical Diagnosis and Anes- thesia

Faculty—Among the faculty of the School of Dentistry are many men of national and international reputation as practitioners and dental educators. Some have achieved fame as authors of text books on the important branches of dentistry, while others have won for themselves the distinction of having excelled in some particular branch of dental surgery or dental art.

The graduates of this school are found in almost every city throughout the world. The Institution has always taken pride in the fact that its alumni has in it so many prominent members that are now holding responsible positions in the profession.

Requirements for Admission—The School of Dentistry is one of the colleges which is recognized by the National Association of Dental College Faculties and adheres faithfully to the code of rules of this association concerning requirements for admission into Dental colleges.

At present the minimum requirement is that the applicant has completed the regular four years' course in an accredited high

school or has done equivalent work. Those who do not have a diploma or documentary evidence of having completed a high school course may take an examination upon the subjects embraced in a high school curriculum.

Those who may be in doubt about their preliminary qualifications should write, stating the extent of the preparatory work completed. The University will then be able to inform you if further preparation is necessary.

Requirements for Graduation—The candidate for graduation must be twenty-one years of age and must possess a good moral character.

Students are required to attend before graduation four full courses of lectures, the last of which must be in this institution. Every candidate must present for inspection practical operations performed by himself in the department and give full evidence of his skill and ability in treating patients who may be submitted to him.

He must also stand an examination satisfactory to the Faculty in all the branches taught. The report of the attendance and practice of students in the infirmary will be considered and will have a material bearing upon the final standing and credits.

Fees and Expenses—The School fees have, by agreement with most of the recognized Colleges of dentistry, been fixed at the uniform price of \$150.00 for the general tuition, including all laboratory fees.

The registration fee for each year has been fixed at \$5.00. Thus the fees in the School of Dentistry are no higher than in any other Dental College.

The fees need not necessarily all be paid in advance.

Living expenses in Chicago may be reduced considerably by taking advantage of boarding in clubs. Table board may be secured as low as \$3.50 per week. There are many places where room with board can be obtained at an expense of from \$4.00 to \$5.00 per week.

Those who desire to economize can find positions which they may fill without taking time from college work and thus earn sufficient to pay for board and room. Those desiring some assistance to defray a part or all of their living expenses should confer with the college clerk upon arriving at the Institution.

For further information, address,

SCHOOL OF DENTISTRY, VALPARAISO UNIVERSITY,
Valparaiso, Indiana.

GRADUATES

ARTS AND SCIENCES

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Calkins, Margaret.....	Tacoma, Washington
Davidson, Lillian.....	Valparaiso
Davis, Galbreth A.....	Foreman, Arkansas
Draschl, Albert J.....	Utica, New York
Hart, William G.....	Nicholasville, Kentucky
Reynolds, Virginia Smith.....	Troy, Tennessee

MASTER OF SCIENCE

Bennett, William Otho.....	Pillsbury, Kansas
Cass, George Thayer.....	Danville, Illinois

BACHELOR OF SCIENCE

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Crownover, Leroy Asbury.....	Johnstown, Pennsylvania
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Ellis, Frank Maurice.....	Valparaiso
Eshleman, Ford P.....	Atlantic City, New Jersey
Emenhizer, Lewis C.....	Chicago, Illinois
Grossman, Eugene.....	Belville, Illinois
Guinn, Charles B.....	Findling, Illinois
Hay, George William.....	Somerset, Pennsylvania
Hefferman, Vincent Jerome.....	Milbank, South Dakota
Kundert, Edward Henry.....	Eureka, South Dakota
Mann, William Gray.....	Green Sulphur, West Virginia
Miller, Ebbe Henry.....	Gilman, Illinois
Morrill, Elizabeth B.....	Chicago, Illinois
Nabb, Henry.....	Evansville, Illinois
Ottman, Othello O.....	Hamilton, Ohio
Parr, Frank J.....	Decatur, Illinois
Reynolds, Chapman.....	Paducah, Kentucky
Rice, Franklin Wilson.....	Brooklyn, New York
Rulien, Peter G.....	Joliet, Illinois
Vitkus, John T.....	Valparaiso
Welker, William P.....	Vandalia, Illinois
Williams, Carl O.....	Chicago, Illinois
Williams, Sarford T.....	Hardingsburg, Kentucky

EDUCATIONAL

MASTER OF ARTS

Parks, Samuel R.....	Pawtucket, Rhode Island
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BACHELOR OF ARTS

Bittner, Christopher.....	Chicago, Illinois
Black, Homer Francis.....	Valparaiso
Bungshe, Bruno.....	Province Courland, Russia
Chostner, Grover C.....	Marble Hill, Missouri
Coburn, James B.....	Farmerville, Louisiana
Heeter, Arnold E.....	Alum Rock, Pennsylvania
Hickner, Frank P.....	Valparaiso
Johnson, Lonnie E.....	Berryville, Arkansas
LeLacheur, Embert A.....	Dorchester, Massachusetts
McMullen, Charles.....	Elnora
Matney, Grover J.....	Rock Camp, Ohio
Molinder, Ellen M.....	Swea City, Iowa
Moorman, Carrie A.....	Rushville
Neet, Helen H.....	Valparaiso
Nutter, Warren M.....	Summersville, West Virginia

Prage, Herman M. M.	Elizabeth
Ranow, George R.	New York, New York
Reeves, Ollie Clarence.	Fulton, Kentucky
Reynolds, Dilland Pinor.	Troy, Tennessee
Rifenburgh, Sumner Adam.	Valparaiso
Roberts, Robert A.	Bruce, South Dakota
Roterling, Edward A.	Fountain City, Wisconsin
Shankland, Bernard C.	Flora
Trumbower, William Creveling.	Andover, New Jersey
Walter, Lillian M.	New Albany
Young, Franklin E.	Camden
Young, Ida M.	Princeton, West Virginia

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Burkett, Benjamin F.	Groseclose, Virginia
Dean, Earl D.	Binghamton, New York
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Harmon, Eva L.	Rhea Springs, Tennessee
Hartman, Dorothy.	Seymour, Connecticut
Haynes, Mary Belle.	Valparaiso
Herzog, Mercedes	Dayton, Ohio
Hollon, Lela.	Petersburg
Hunt, Charles G.	Hanna
Johnson, Waylan E.	Morris City, Illinois
Kendall, Katharine.	Brockton, Massachusetts
Kruke, Rhea.	Corning, New York
Latta, Theodore.	Detroit, Michigan
Lind, Bertha.	Chicago, Illinois
Lockhart, C. H.	Okmulgee, Oklahoma
Lutz, Velma Florence.	Ortonville, Minnesota
Molk, Isador.	Brooklyn, New York
McLeod, W. Edgar.	Lincoln, Illinois
Nagle, John Willis.	Shillington, Pennsylvania
Neel, Frederick Guy.	Royal Centre
Noble, Charles B.	Florence
Norman, Edith E.	Peotone, Illinois
Plant, Jean Orr.	Glasgow, Scotland
Ramsey, Robert B.	Adams, New York
Ryan, Joseph E.	Wharton, New Jersey
Sagabiel, Edna Lyndell.	New Albany
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Smick, Natalie	Bardolph, Illinois
Talbot, M. Lewena.	St. Charles Minnesota
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Wallis, James B.	Valparaiso
Wilkerson, Roy.	Waynesfield, Ohio

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Getter, Philip Bomberger.	Harrisburg, Pennsylvania
Heredia Carlos S. Fuentes y.	Guanabacoa, Cuba
Kellam, Fred.	Arcadia

Lester, Raymond L.	Hale, Missouri
Malecki, Edmund Eugene	Buffalo, New York
Smith, Cecil John	Fairmount, West Virginia
Sugino, Shigeichi	Kaibe Gun, Aichi Ken, Japan
Tapia, Mariano Aguirreurreta y	Havana, Cuba
Thayer, Raymond Edgar	New London, Connecticut
Tobinson, Jas. E.	Chicago, Illinois
Valdivieso, Leonardo	Quito, Ecuador, South America
Zajieck, John Frank	Chicago, Illinois

MEDICAL

DOCTOR OF MEDICINE

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Burgner, B. H.	Chicago, Illinois
Beil, H. H.	Chicago, Illinois
Biezes, S.	Chicago, Illinois
Berenstein, J.	Chicago, Illinois
Blim, S. P.	Crete, Illinois
Black, J. M.	Carrollton, Illinois
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Box, T. T.	Vernon, Alabama
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Bowers, L. L.	Canal Dover Ohio
Cerice, Raul Guma	Cuba
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Cannon, M. P.	New York City
Carpenter, R. M.	New York City
Casey, J. A.	Chicago, Illinois
Chapas, B.	Russia
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DeHes, M.	Chicago, Illinois
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Degan, J. T.	Chicago, Illinois
Echerer, T. F.	Chicago, Illinois
Eichler, T. F.	Ada, Minnesota
Erman, F. M.	Chicago, Illinois
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Ferrell, J. C.	Santuree, Porto Rico
Fritchen, A. F.	Franksville, Wisconsin
Frybarger, C. E.	Kokomo
Frybarger, S. S.	Kokomo
Furusawa, T.	San Francisco, California
Gittelis, H.	Chicago, Illinois
Gapinski, L. B.	Milwaukee, Wisconsin
Garness, L. A.	Canton, South Dakota
Guinea, W. E.	Chicago, Illinois
Haley, C. R.	McKenzie, Tennessee
Henkin, H.	Chicago, Illinois
Heider, J. E.	Chicago, Illinois
Hamilton, R. C.	Fargo, North Dakota
Hammer, W. P.	Ruddle, West Virginia
Hans, E.	Chicago, Illinois
Hansen, M. M.	Sand Lake, Michigan
Heetderks, B. J.	Grand Rapids, Michigan
Hopkins, P. E.	Oak Lawn, Illinois

Hodes, R.	Chicago, Illinois
Holcome, A. H.	Novi, Michigan
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Johnson, R. W.	Sioux City, Iowa
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Jennings, J. B.	Junction, Illinois
Jirsa, O. J.	Chicago, Illinois
Johnson, J. K.	Hartsville, Illinois
Johnson, T. S.	Chicago, Illinois
Johnson, W. A.	Chicago, Illinois
Kendrick, O. G.	Griffin, Georgia
Khafagy, A. M.	Cairo, Egypt
Kaminski, L. R.	Detroit, Michigan
Keenan, R. P.	Milwaukee, Wisconsin
Klontz, C. W.	McConnell, Illinois
Konopa, J. F.	Chicago, Illinois
Kvitek, L. C.	Chicago, Illinois
Kwiecinski, E. W.	Detroit, Michigan
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Lyons, A. J.	Chicago, Illinois
Leef, I. A.	Chicago, Illinois
Lohman, O.	Chicago, Illinois
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Malouf, S.	Shalifa, Syria
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Martin, J. N.	Centerville, Iowa
Matney, T. G.	Lillydale, West Virginia
Marwitz, M.	Chicago, Illinois
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Miller, E. B.	Chicago, Illinois
MacNamara, H. P.	Chicago, Illinois
Miller, F. E.	Boston, Massachusetts
Miller, J. E.	Mt. Erie, Illinois
Miller, W. M.	Columbia City
Morrill, E.	Holyoke, Massachusetts
Morrison, C. R.	Chicago, Illinois
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McCormick, W. C.	Tomahawk, Wisconsin
McCullough, J. D.	Columbus, Mississippi
McKinney, I.	Chicago, Illinois
McLaughlin, J. W.	Chicago, Illinois
McNertney, F. D.	Salt Lake City, Utah
Nielsen, C. H.	Iowa
Newman, I.	New York City
Notbohm, D. R.	Waukesha, Wisconsin
Nugent, A. C.	Milwaukee, Wisconsin
Panek, A. F.	Traverse City, Michigan
Peabody, H. C.	Webster, South Dakota
Penchina, M.	Russia
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Price, B. L.	Palestine, Illinois
Rentfro, C. C.	Chicago, Illinois
Rollins, F. T.	Boston, Massachusetts
Ralston, F. L.	Chicago, Illinois
Ray, R.	Higbee, West Virginia
Rogers, P. E.	Dry Fork, Virginia
Rotman, D. B.	Chicago, Illinois
Saunders, R. H.	Glasgow, Kentucky
Savitsky, L.	Chicago, Illinois
Sachmouitz, M.	Chicago, Illinois
Summers, A.	Chicago, Illinois

Silverman, E.	New York City
Singer, R. M.	Chicago, Illinois
Simon, O. B.	Tioga, North Dakota
Shortt, P. E.	Waukon, Iowa
Seaforth, E. A.	Chicago, Illinois
Smith, W. J.	Carrollton, Missouri
Spellman, M.	Minneapolis, Minnesota
Stephens, E. A.	Parsons, Pennsylvania
Stewart, F. J.	Chicago, Illinois
Stites, R. O.	Hindsboro, Illinois
Tubergen, B. F.	Chicago, Illinois
Telerski, J. S.	Chicago, Illinois
Thompson, H. I.	Waukeena, Florida
Thompson, J. C.	Decatur, Illinois
Thomas, E. H.	Vancouver, Canada
Tschetter, J. S.	Chicago, Illinois
Turner, F. C.	Lincoln, Kansas
Van de Sand, G. F.	Milwaukee, Wisconsin
Wright, E. L.	Chicago, Illinois
Willits, J.	Chicago, Illinois
Wiley, C. R.	Chicago, Illinois
Wilkinson, J. J.	Hales Corner, Wisconsin
Willet, I. H.	Brooklyn, New York
Williams, W. R.	Rutland, Vermont
Williamson, H. W.	Toledo, Ohio
Willstead, O. D.	Glassford, Illinois
Zolla, N.	Chicago, Illinois
Zilvitis, P.	Chicago, Illinois

DENTISTRY

DOCTOR OF DENTAL SURGERY

Aison, Emil L.	Russia
Aoki, Teiyo	Tokio, Japan
Backstrom, Edward H.	Muskegon, Michigan
Barclay, Harry F.	Peoria, Illinois
Bartow, Frank W.	Pigeon, Michigan
Belanyi, Albert Ernest	Chicago, Illinois
Bennett, J. R.	Michigan City
Bensend, Albert S.	Turtle Lake, Wisconsin
Berry, Herbert Alonzo	St. Johns, Arizona
Besser, John Milton	Burlington, Iowa
Black, Edward Tucker	Portland, Oregon
Blase, Anthony	Athens, Greece
Blinks, H. T.	Michigan City
Bona, Bronislaus F.	Chicago, Illinois
Brosman, Edward E.	Martinsville, Illinois
Burke, Wilbert E.	Alvinston, Canada
Brown, Harry L.	Chicago, Illinois
Burns, Thomas M.	Chicago, Illinois
Butt, Joseph	Plainfield, New Jersey
Carr, Almon Ford	Chicago, Illinois
Carroll, Harry E.	Chicago, Illinois
Cerney, James Earl	Chicago, Illinois
Clayton, Frederick H.	St. Paul, Minnesota
Cox, James M.	Clinton, Massachusetts
Donelan, James C.	Springfield, Illinois
Duggan, Ralph D.	South Bend
Dunne, F. Raymond	Chicago, Illinois
Ellsworth, Cyrus W.	Payson, Utah
Emmons, Matt	Cutler, Illinois
Endsley, Louis J.	Kalamazoo, Michigan
Evans, Samuel S.	Preston, Idaho
Fehrenbacher, Frank J.	Bogota, Illinois
Fellows, David M.	Priceville, Iowa
Ferguson, T. Tarron	Marysborough, Australia
Flath, Geo. Oakley	Drayton, Canada
Foutz, Alonzo J.	Richfield, Utah
Fox, Morris E.	Chicago, Illinois
Gagnon, Edward J.	Beaverville, Illinois

Goering, Ernest H.	Duluth, Minnesota
Gorrell, Harvey Benson	Pilot Mound, Canada
Hamilton, Robert J.	Chicago, Illinois
Heighway, Clifford	Washburn, Illinois
Henery, Carl R.	Tomah, Wisconsin
Herzberg, Benjamin	Chicago, Illinois
Houns, Archie R.	Blanchardville, Wisconsin
Imamaki, Renzo	Tokio, Japan
Isselhard, Roland M.	Belleville, Illinois
Irwin, Douglas Boyd	Marysborough, Australia
Jarvinen, George A.	Chicago, Illinois
Johnson, Gifford A.	Batavia, Illinois
Johnson, Harry George	Chicago, Illinois
Johnston, J. David	Watseka, Illinois
Jones, Leon Arthur	Chebanse, Illinois
Jones, Vernon R.	Cando, North Dakota
Jurbin, Morris	Chicago, Illinois
Kane, Walter John	Meriden, Connecticut
Khuri, Ibrahim	Lebanon, Syria
Kenney, Eber J.	South Mountain, Canada
Kinney, W. B.	Chicago, Illinois
Koch, H. H.	Chicago, Illinois
Kolar, Otto	Chicago, Illinois
Kopp, O. W.	Stout, Ohio
Kraschovetz, Joseph	Chicago, Illinois
LaCoursiere, Augustine	St. Tite, Canada
LaDue, Stanley B.	Tampico, Illinois
Lall, Kunj.	Lohore City, India
Lee, Pierce E.	Plymouth, Pennsylvania
Lentz, Frank Conrad	Danbury, Connecticut
Lewis, Ray Albert	Logan, Utah
Light, Ralph Earl	Angola
Lindberg, William	Miles City, Montana
Long, Arthur J.	Lewiston, Montana
Mahan, Harland C.	Creston, Iowa
Manahan, Elmer A.	Chicago, Illinois
Marble, Edwin Horace	Logan, Utah
Mariner, William B.	Bowling Green, Ohio
Matthews, S. A.	Chicago, Illinois
McCallum, John A.	Chicago, Illinois
McDonald, Paul L.	Marinette, Wisconsin
McFarland, Charles Roy	Cortland, Ohio
McFarland, John Darius	Cortland, Ohio
Meakin, Robert I.	San Francisco, California
Millard, Erceil Vale	Montour, Iowa
Montelius, John W.	Richfield, Pennsylvania
Moore, Oliver Frederick	Chicago, Illinois
Morris, B. A.	Viola, Illinois
Morrow, Harry Ray	Carrollton, Illinois
Muedeking, Ray Fred	Ouatonna, Minnesota
Munk, Newell E.	Benson, Utah
Neuenschwander, E. J.	Monroe, Wisconsin
Northstrum, Orville A.	Marinette, Wisconsin
Novy, Henry N.	Chicago, Illinois
Packer, Samuel P.	Preston, Idaho
Parro, Earl David	Chicago, Illinois
Pennigsdorf, Walter	Madgeburg, Germany
Peterson, Carl Elmer	Chicago, Illinois
Pierce, Leo F.	Newark, New York
Pesch, Theodore M.	Mazeppa, Minnesota
Podruch, Louis L.	Elroy, Wisconsin
Pollice, Joseph A.	Chicago, Illinois
Poulson, Leslie	Richfield, Utah
Paulson, Otto M.	Minneapolis, Minnesota
Preston, Willard Mackey	Monroe, Wisconsin
Rapp, Victor E.	Oakes, North Dakota
Rice, Horace C.	Detroit, Minnesota
Ritner, Smith Boyd	Martinsburg, West Virginia
Ritter, Solomon	Chicago, Illinois
Rosenthal, Hyman I.	Chicago, Illinois
Roskelley, Richard B.	Smithfield, Utah
Roy, Wilfred Damas	Island Pond, Vermont

Rust, Herbert Edward.....	Monroe, Wisconsin
Sanberg, Arthur.....	
Savage, John T.....	Reedsville, Wisconsin
Schaffner, M. R.....	Fort Dodge, Iowa
Scharenbroich, E. E.....	St. Cloud, Minnesota
Scott, Wm. M.....	Whitefish, Montana
Seamans, Mrs. Beulah.....	Atlanta, Georgia
Seguin, Lionel P.....	Ransom, Illinois
Siegel, Jerold M.....	LaPorte
Sikkink, Roy.....	Waubay, South Dakota
Simon, Herman.....	Chicago, Illinois
Simmer, Chas.....	Hancock, Michigan
Simpson, Mentor F.....	Taylorville, Illinois
Sitkin, Frank Lewis.....	Chicago, Illinois
Smith, Hazel, Miss.....	Norwich, Canada
Smith, Harl Burnham.....	Logan, Utah
Snellen, Frederick A.....	Utrecht, Holland
Sooy, Harry E.....	Wayland, Michigan
Spiro, Bernard.....	Chicago, Illinois
Stevens, Lloyd Maynard.....	Kalamazoo, Michigan
Storlie, Albert.....	Minneapolis, Minnesota
Thane, Lars.....	Tronhjem, Norway
Thompson, Rufus W.....	Black River Falls, Wisconsin
Thoreson, Christian A.....	Battle Lake, Minnesota
Tichy, Frank S.....	Chicago, Illinois
Tomasek, Charles A.....	St. Paul, Minnesota
Van Minden, Floris.....	Amsterdam, Holland
Vera, Alfonso M.....	Malaga, Spain
Van Sickie, Floyd Eugene.....	Whitehall, Wisconsin
Walty, R. L.....	Chicago, Illinois
Weaver, Harry David.....	Onward
Weingart, William.....	Chicago, Illinois
Wharton, James L.....	Springfield, Kentucky
Webster, Chester Bowen.....	Hartford, South Dakota
Whelan, Joseph S.....	York, Nebraska
Whitebread, Kenneth Edward.....	Nelson, Canada
Wilberg, Einar Oscar.....	Whitehall, Wisconsin
Woodworth, E. Bristol.....	Vermillion, South Dakota
Worley, Wm. Raymond.....	Logan, Utah
Yokie, William Carl.....	Hancock, Michigan

LAW

BACHELOR OF LAW

Amstein, Willard Jacob.....	Clarke Station
Baker, John Edgar.....	Lewiston, Montana
Bentley, Clinton Henry.....	Utica, Minnesota
Berry, Samuel Carolinus.....	Barrington, New Jersey
Bliss, John Ernest.....	Glasgow, Montana
Braselton, Boyd Benjamin.....	Weatherford, Texas
Breen, Maurice Strobble.....	Chicago, Illinois
Brewster, Earl.....	Camptown, Pennsylvania
Brown, Benjamin J.....	Stephenson, Michigan
Calhoun, Jesse William.....	West Plains, Missouri
Carney, Allen Thurman.....	Given, West Virginia
Cline, Earl Vincent.....	Williamsport, Pennsylvania
Clinger, Glenn Pressey.....	Oil City, Pennsylvania
Crownover, James Thomas.....	Johnstown, Pennsylvania
Crownover, Leroy Asbury.....	Johnstown, Pennsylvania
Dalrymple, Alfred Vernon.....	Manila, Philippine Islands
Dickens, Daniel Robert.....	Bristol, Tennessee
Evans, Max.....	Lex, West Virginia
Fields, Wilson.....	Whitesburg, Kentucky
Figas, Stephen Joseph.....	Everson, Pennsylvania
Fisk, Leon.....	Sistersville, West Virginia
Foor, Arlie Maywood.....	Canal Winchester, Ohio
Fritz, Anthony Jacob.....	Honesdale, Pennsylvania
Garman, Benjamin Lee.....	Hulett, Wyoming
Graham, Edward Norbet.....	Freeport, Minnesota
Hastie, John Andrew.....	Somerset, Pennsylvania
Hay, George William, Jr.....	Point Loma, California

Holst, Thorley von	Point Loma, California
Hughes, Milburn Patrick	Pikeville, Kentucky
Hull, John Tilden	Freemansburg, West Virginia
Johnson, Raymond Carlyle	Lowell
Kelley, Francis Thomas	St. Lawrence, South Dakota
Knauf, Edward Val	Utica, Minnesota
Kraushar, Philip	Naperville, Illinois
Long, Philip Richard	Kalispell, Montana
Lucas, Olive Orval	Wetumka, Oklahoma
Marron, Hugh Nicholas	Jackson Junction, Iowa
Marsh, Edward Baxter	Salisbury, North Carolina
Metzler, Stephen Earl	Akron, Ohio
Mitchell, Ernest Stanford	Grass Valley, California
Parpenove, Stephen	Viatka, Russia
Perry, Ben	Carterville, Illinois
Phillips, Ruskin Bernard	Wabash
Reynolds, Edmund James	New Glasgow, Nova Scotia
Ruehle, Orlin Lewis	Allegan, Michigan
Rummel, Alvin Lewis	Wakeville, Michigan
Scott, John Wilbur	Detroit, Michigan
Sokoll, Walter Francis	Sheboygan, Wisconsin
Southworth, Ellis Bothwell	New York, New York
Stahl, John Jacob	Newark, New Jersey
Taylor, Ryland George	Richmond, Virginia
Tomastick, Myron	Gardner, Illinois
Valasina, Nick	Schenectady, New York
Ward, Rea Henry	Tippecanoe
Weiland, Albert	Peru, Illinois
Westfall, Okey Ellsworth	Kingsville, Ohio
White, David Livingstone	Attica, New York
White, Lula Vanche	Attica, New York
Wilbur, Fred Addison	Superior, Wisconsin
Wiley, Barton Lewis	Carter, Montana
Wuolle, Onni August	Parkano, Finland

PHARMACY

PHARMACEUTICAL CHEMIST

Calkins, Lloyd E	Lucasville, Ohio
Christley, Palm	Chicago, Illinois
Davis, Burt	Casper, Wyoming
Henderson, Reita Adele	Holyoke, Massachusetts
Hughes, Gordon W	Valparaiso
Mellen, Charles F	Boonville
Timmons, Floyd A	Cassopolis, Michigan
Wetters, Harry H	Bay City, Michigan

GRADUATE IN PHARMACY

Ackerman, C. J.	Athens, Illinois
Adamian, B. G.	Whitensville, Massachusetts
Ahmad, H. H.	Detroit, Michigan
Bradley, C. H.	Kansas City Missouri
Christley, P. M.	Chicago, Illinois
Calaway, J. W.	Smead, Arkansas
Carrasco, A. J.	Honduras, Central America
Bartkevicz, J.	Cleveland, Ohio
Davis, Bert	Casper, Wyoming
Dearman, O. W.	Reedy, West Virginia
Dennis, J. L.	Washington, D. C.
Fastenow, W. C.	Peterson, Iowa
Fulscher, H.	Harrisville, Michigan
Garl, C. E.	Edwardsburg, Michigan
Geisinger, C. E.	Auburn
Gershenzvit, Eva	New York
Graves, L. V.	International Falls, Minnesota
Green, G. N.	Coweta, Oklahoma
Henderson, Rita A.	Holyoke, Massachusetts
Hughes, G. W.	Valparaiso
Hughes, L. R.	Kent, Michigan
Hayaten, H.	Hampton, Massachusetts
Heiman, H.	Evansville

Jayne, C. W.	Valparaiso
Johnson, L. G.	Conrath, Wisconsin
Johnson, S. A.	St. Charles, Minnesota
Klinkenberg, P.	Kendallville
Kramer, G. H.	Lincoln, Illinois
Magnusson, E. H.	Malmo, Sweden
McWhorter, C. E.	Newton, Illinois
Melden, C. F.	Boonville
Milbee, G. C.	Charleston, West Virginia
Miller, S. M.	Big Run, Pennsylvania
Mincer, Bessie	Cozad, Nebraska
Moore, G. W.	Truman, Arkansas
Monroe, R. B.	Beckley, West Virginia
Neely, H. H.	Marion, Illinois
Newton, W. C.	Crown Point
Noble, B.	New York
Parker, J. H.	New York
Pressnall, E. H.	Akron, Ohio
Ribas, J. B., Jr.	New York
Rickard, F. L.	Hopkins, Missouri
Ritenour, C. A.	Mauertown, Virginia
Rosenberg, L.	New Haven, Connecticut
Regan, M.	Fargo, North Dakota
Scheirer, C. H.	Reading, Pennsylvania
Smith, C. R.	Niles, Michigan
Skaggs, C. E.	White Sulphur Springs, West Virginia
Snider, C. C.	La Porte
Spiker, L. R.	Knox
Vella, M. C.	Valparaiso
Wakeman, F. B.	Welsbridge, New York
Warren, J. C.	Canter, Mississippi
Wetters, H.	Bay City, Michigan
Wilson, T. E.	Jackson, Missouri
Wetzel, J. O.	Ilion, New York
Williams, E. C.	Hickory, Mississippi
Whiting, R. D.	Galaway, New York
Winski, F. B.	Stenford, Connecticut

MANUAL TRAINING

BACHELOR OF MANUAL TRAINING

Bednarski, Michael	Kenosha, Wisconsin
Born, Robert Luther	Woodland, Michigan
Harrison, Bert A.	Sharon Center, Ohio
Hayden, Claude E.	Tobinsport
Hemphill, Jesse Dwight	Cannelton
Hurless, Ralph Newton	Clinton, Iowa
Kirby, William N.	Newark, New Jersey
Lockwood, Joseph E.	Trenton, New Jersey
Logan, Harry B.	Royalton, Minnesota
Maxwell, Henry Edward	Chicago, Illinois
Mosher, M. Aden	Geppsum, Colorado
Pereira, Anthony C.	Paia, Hawaii
Schroeder, Earl	Plymouth
Shuler, William Jasper	Cheshire, Ohio
Steele, Fred L.	Oakland City
Spring, Aubrey M.	Onondaga, Michigan
Stewart, Albert	Oakdale, Pennsylvania
Waters, Edward	Excelsior Springs, Missouri
Weist, Robert Henry	Buffalo, New York
Weit, William P.	Rupert, Idaho

EXPRESSION AND PUBLIC SPEAKING

MASTER OF ORATORY

Bondy, Beulah	Valparaiso
Harcourt, A. Roy	Davidson, Oklahoma
Reynolds, Virginia Smith	Troy, Tennessee
Richardson, Marguerite	Red Cloud, Nebraska

BACHELOR OF ORATORY

Dague, Viola May.....	Wilson, Kansas
Mitchell, Mabel Ruth.....	Xenia, Ohio
Salyor, Elmer Carlyle.....	Hebron

MUSIC

PIANO

Greener, Joseph Hall.....	Rayland, Ohio
Ruth, Stella G.....	Athol, Pennsylvania

VOICE

Neal, Lena M.....	Rantoul, Illinois
Ruth, Stella G.....	Athol, Pennsylvania
Santee, Dessie E.....	Goltry, Oklahoma

TEACHER'S CERTIFICATE

Bergstrom, Reuben Carl.....	Mansfield, Ohio
Coburn (Mrs.) Minnie Preaus.....	Farmersville, Louisiana
Cole, Emma Eugenia.....	Montrose, Pennsylvania
Corneau, Edith Addison.....	Evanston, Illinois
Evans, Irene.....	Camden
Fox, Florence M.....	Milton Junction
Hatcher, Ruby.....	Plainview, Texas
Heineman, Dorothy Elizabeth.....	Valparaiso
Johnston, Nelson.....	Memphis, Missouri
Roberts, Mary Louise.....	Blandinsville, Illinois
Sayler, Pauline.....	Valparaiso
Shankland, Bernard C.....	Flora
Shaw, Ivanetta Florence.....	Gloucester, Massachusetts
Somerville, Sara Anna.....	Patton, Pennsylvania

PUBLIC SCHOOL MUSIC

Alberts, Gertrude Fern.....	Redwood Falls, Minnesota
Burroughs, Miriam Merle.....	Sullivan
Cole, Emma Eugenia.....	Montrose, Pennsylvania
Fox, Florence.....	Milton Junction
Gregory, Nell Harriet.....	Valders, Wisconsin
Hubbard, D. Kirksey.....	Alma, Arkansas
Johnston, Edith Winona.....	Nellie, Ohio
Marty, Belva Marie.....	Monroe, Wisconsin
McCall, Clara L.....	Viroqua, Wisconsin
Somerville, Sara Anna.....	Patton, Pennsylvania
Tomlinson, Alma Marvella.....	Hutchinson, Minnesota
Weller, Kathryn.....	Dwight, Illinois

ART

NORMAL ART DIPLOMA

Brandt, Dora Dean.....	Eaton
Harrison, Gladys Ellenore.....	New York, New York

NORMAL ART CERTIFICATE

Kelso, Mary Helen.....	Hadley, Pennsylvania
Taylor, Goldie E.....	LaPorte

HOME ECONOMICS CLASS

BACHELOR OF SCIENCE

Brook, Ella.....	Goodland
Brown, Ruth Axe.....	Valparaiso
Crain (Mrs.) Ada Nichols.....	Alton, Illinois
Daniels, Sophia M.....	Fargo, North Dakota
Miller, Eva.....	Higbee, Missouri

CERTIFICATE

Boggs, Katharine Eleanor.....	Rogers, Arkansas
Campbell, Gaytha.....	Evansville

Chisholm, Alva M.....	Malden, Massachusetts
Crisler, Ethel F.....	Akron
Drake, Beth.....	Chariton, Iowa
Duckworth, Sue E.....	Indianola, Nebraska
Finney, Sarah B.....	Weiser, Idaho
Greenhalgh, Sara E.....	Des Moines, Iowa
Hedges, E. Fern.....	Indianola, Nebraska
Kime, Hester L.....	Petersburg
Lewis, Nancye.....	Whitesburg, Kentucky
Lundgren, Ebba.....	Hallock, Minnesota
Malone, Mercy M.....	Monticello
Montgomery, Lora Belle.....	Delaware, Kentucky
Morrow, Helen.....	Hebron
Myers, Helen Montrose.....	Atascadero, California
McGrath, Eilzabeth.....	Leetonia, Ohio
Otto, Lynda.....	Brillion, Wisconsin
Peterson, Anna M.....	Hamlin, Iowa
Smith, Florence C.....	Plymouth
Snider, Gladys G.....	LaPorte
Weems, Edith.....	Valparaiso

PRIMARY CLASS

DIPLOMA IN PRIMARY

Albey, Helen Irene.....	Montclair, New Jersey
Keightley, Ola.....	Armington, Illinois
Marpe, Mabel.....	Longford, South Dakota
Tuttle, Libby Jane.....	Albert Lea, Minnesota

CERTIFICATE IN PRIMARY

Amburgey, Mary.....	Boyne City, Michigan
Beattie, Dora J.....	Bryan, Ohio
Brown, Susan P.....	Crystal Falls, Michigan
Christley, Zoe.....	Chicago, Illinois
Edgren, Ellen H.....	Britt, Iowa
Edgren, Esther L.....	Britt, Iowa
Edwards, Patricia.....	Oxford
English, Ora Myrtle.....	Galena, Oklahoma
Garner, Laura Grace.....	James Creek, Pennsylvania
Humeau, Adele M.....	Hebron
Jacobson, Clara D.....	Garretson, South Dakota
Jepson, Emma C.....	Chicago, Illinois
Mulkey, Alpha.....	Van Wert, Iowa
Smith, Mrs. Maude.....	Manassa, Colorado
Trousdale, Sarah Ruth.....	Monroe, Louisiana
Westwood, Gertrude.....	Everly, Iowa

KINDERGARTEN CLASS

DIPLOMA

Hartwell, Sara M.....	Watertown, Connecticut
Marty, Agnes, Mae.....	Monroe, Wisconsin
Trumpy, Frieda.....	Monroe, Wisconsin
Tuttle, Libbie Jane.....	Albert Lea, Minnesota

CERTIFICATE

Rembao, Mercedes	Chihuahua, Mexico
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HIGH SCHOOL GRADUATES

Anderson, Glen.....	Twelve Mile
Bachman, Cecilia.....	Altus, Arkansas
Bachman, Mary M.....	Altus, Arkansas
Bissell, Clayton.....	Kane, Pennsylvania
Bittman, Alice.....	Oakes, North Dakota
Boye, Rose.....	St. Peter, Illinois
Brody, Louis.....	Clymer, Pennsylvania
Buezis, Charles.....	Spring Valley, Illinois
Campbell, Gaytha.....	Cape Gerardeau, Montana

Cherry, Charles K.	Chicago, Illinois
Cole, George J.	Olean, New York
Curtis, Deborah	Dundas, Illinois
Damron, Frank A.	Battle Creek, Michigan
Dettra, Sada	Rushville, Illinois
Duft, Walter William	Oneil, Nebraska
Dunlap, Addie	Beloit, Wisconsin
Erickson, Verna	Galesburg, Illinois
Faber, George Bennett	Young, West Virginia
Farndale, James	Curlew, Alberta, Canada
Farrell, Charlotte C.	Xenia, Ohio
Fay, Paul E.	Keene, New Hampshire
Gaard, Irvin B.	Palo Alto, Iowa
Graham, E. E.	Rockton, Illinois
Gravez, Josephine	Terry
Griffey, Edward Waddy	Memphis, Tennessee
Hartman, William A.	Verona, New York
Heineman, Dorothy	Valparaiso
Hofelt, John W.	Keffer, Pennsylvania
Hollon, Lela	Petersburg
Holmes, Louis R.	Chicago, Illinois
Hundley, E. Burton	Cooper Hill, Virginia
Imhof, Marie M.	Wayland, Iowa
Jackson, H. A.	Charleston, West Virginia
Johnson, O'Neal M.	Bellefontaine, Ohio
Kieffer, Anna L.	Evansville, Illinois
Koepke, Charles A.	Peru
Krueger, F. W.	Marion, Wisconsin
La Violette, Samuel	Brussels, Wisconsin
Lincoff, Maxwell M.	Braddock, Pennsylvania
Magnusson, Anna	Blaine, Washington
Maury, M. J.	Clarington, Ohio
McMeans, Van Horn	Davenport, Iowa
Mierzejewski, Max	Indiana Harbor
Montani, Anthony C.	Youngstown, Ohio
Mulder, C. O.	Lynden, Washington
Mulford, Ariel B.	Norwood, Ohio
Myers, Helen M.	Medford, Oregon
Neal, Charles Bodine	Millville, New Jersey
Nowak, Walter W.	Duluth, Minnesota
Nuzum, Herman	Leroy, West Virginia
O'Day, John	Butte, Montana
Park, Joseph H.	Ligonier, Pennsylvania
Peterson, Anna M.	Hamlin, Iowa
Plant, Jean	Glasgow, Scotland
Podlevner, Laura B.	Chicago, Illinois
Pomazal, John	Chicago, Illinois
Pylant, Kelsie O.	Monette, Arkansas
Quivron, Rose	Friend, Nebraska
Remmers, Herman	Burlington, Iowa
Roman, B. A.	Sidney, Ohio
Romano, John	Bridgeport, Connecticut
Rytana, Ralph	Hammond
Sanders, Cyrus	Omaha, Illinois
Shoemaker, Carroll G.	Nicholas, West Virginia
Skaggs, James	White Sulphur Springs, West Virginia
Smick, Natalie	Bardolph, Illinois
Smith, Mrs. Maude P.	Manassa, Colorado
Sommer, C. W.	Beach Hill, West Virginia
Stowell, Raymond	Chicago, Illinois
Sullivan, Myrtle	Joplin, Montana
Sween, Olga	Brookings, South Dakota
Tarnowski, Clement	Duluth, Minnesota
Thain, James	Buckie, Scotland
Tofte, Caroline	Valparaiso
Udre, Peter	Lawrence, Massachusetts
Van Arsdal, H. B.	Marmaduke, Arkansas
Walker, Thomas	Wynnewood, Oklahoma
Weit, William	Chicago, Illinois
Weyman, William	Jersey City, New Jersey
Wilkerson, Roy	Waynesfield, Ohio
Zihlman, Margaret	Wayland, Iowa

REGISTER OF STUDENTS

Acosta, Jeronimo V.	C. E.	Camaguey, Cuba
Acree, M. Stanley	Ed.	Gilbert, Arkansas
Adamo, F. S.	M. D.	Tampa, Florida
Adams, Leon P.	D. D. S.	Portland, Oregon
Adelberg, A. J.	D. D. S.	Chicago, Illinois
Afable, V.	M. D.	Subic, Philippine Islands
Agness, Walter A.	B. S.	Royal Center
Agosto, Benedict	D. D. S.	Chicago, Illinois
Aguino, Marciano D.	Mus.	Lumbang, Philippine Islands
Akan, Nellie	D. D. S.	Alger, Washington
Akerly, Guy W.	D. D. S.	Flowerfield, Michigan
Albe, Harry	Mus.	Valparaiso
Alberts, Gertrude	Mus.	Redwood Falls, Minnesota
Alden, W. C.	M. D.	Chicago, Illinois
Alexander, R. C.	D. D. S.	Chicago, Illinois
Allen, G. D.	M. D.	Hawesburg, Canada
Allen, J. Robert	Ed.	DePauw
Allen, J. Wayne	Law	Collins, Mississippi
Allen, Marion B.	Law	Waynesville, North Carolina
Allen, Ottie L.	Ed.	Alfordsville, North Carolina
Allen, Thomas R.	D. D. S.	Fargo, North Dakota
Alfred, C. O.	Eng.	Elba, Alabama
Alperin, Jacob	Eng.	New York, New York
Altman, Bernard	D. D. S.	Milwaukee, Wisconsin
Alvey, Maude E.	D. E.	Otterbein
Amadoni, Harold	Mus.	Chicago, Illinois
Ambuehl, George	D. D. S.	Farina, Illinois
Amstutz, Adelaide	Mus.	Valparaiso
Anderson, Alonzo	Ed.	Summerville, Pennsylvania
Anderson, Carl V.	Ed.	Ogden, Illinois
Anderson, Edwin	D. D. S.	Marinette, Wisconsin
Anderson, E. G.	Law	Aurora, Nebraska
Anderson, Elvira	Mus.	Canon Falls, Minnesota
Anderson, George R.	Law	Hammond
Anderson, John	Ed.	Detroit, Michigan
Anderson, Lola	Elo.	Kentland
Anderson, O. V.	D. D. S.	Fruitport, Michigan
Anderson, Robt. D.	D. D. S.	Chicago, Illinois
Anderson, Wm. A.	Ph. G.	Rockland, Maine
Anderson, Winona	Mus.	Malden, Illinois
Andreopoulos, Athan	Ph. G.	Chicago, Illinois
Andrews, E. E.	M. D.	Gary
Anshin, Marcus	M. D.	Brooklyn, New York
App, James E.	D. D. S.	Chicago, Illinois
Applebaum, I.	M. D.	Chicago, Illinois
Applethun, J. M.	A. Eng.	Cottonwood, Minnesota
Arado, Richard J.	D. D. S.	Chicago, Illinois
Archer, Mildred	Mus.	Valparaiso
Ardery, Glen	D. D. S.	Scotland, South Dakota
Arfapo, Jacinto E.	Mus.	Infanta, Philippine Islands
Armen, V.	M. D.	Chicago, Illinois
Arnold, Frank	M. D.	Lewisville
Arnold, Perry Cornelius	D. D. S.	Portland, North Dakota
Arnold, Wilbur	Ed.	Culver
Arthur, Robert J.	Law	Logansport
Arvin, Julia	Mus.	Valparaiso
Aryeff, Joseph Geo.	D. D. S.	Chicago, Illinois
Aschanhort, Emma	B. D.	Randolph, Ohio
Ascher, David	D. D. S.	Chicago, Illinois
Ascher, Lee	D. D. S.	Chicago, Illinois
Ash, Mary	D. E.	Clebourne, Texas
Ash, S.	M. D.	New York, New York
Ashton, William H.	C. Eng.	Salt Lake City, Utah
Assaf, Ishmail	D. D. S.	Constantinople, Turkey
Atanasoff, George	Ph. C.	Souchitza, Bulgaria
Atcherson, Walter R.	D. D. S.	Appleton, Wisconsin
Atwood, Gladys	Ed.	Watertown, Connecticut

Atwood, Percy J.....	Eng.....	Chatham, Massachusetts
Aucoin, William M.....	D. D. S.....	Bangor, Maine
Aveyard, A. E.....	A. Eng.....	Sanford, Maine
Axelrod, S. A.....	D. D. S.....	Chicago, Illinois
Axelrod, S. G.....	D. D. S.....	Chicago, Illinois
Axline, Everett.....	B. D.....	Lowell
Azeez, E.....	M. D.....	Teheran, Persia
Babcock, Winona.....	Ed.....	Valparaiso
Bachman, Ida.....	D. E.....	Altus, Arkansas
Bachman, Magdalen.....	B. S.....	Altus, Arkansas
Backshis, Michael.....	B. S.....	Chicago, Illinois
Backwell, Harry.....	A. Eng.....	Manistique, Michigan
Baer, Harry C.....	B. S.....	Milwaukee, Wisconsin
Bagby, W. A.....	M. D.....	Gray, North Carolina
Bagocius, D. J.....	M. D.....	Boston, Massachusetts
Bahadour, George.....	D. D. S.....	Constantinople, Turkey
Bailey, Leota.....	D. E.....	Decatur
Bailey, Ohmer M.....	Mus.....	Dayton, Ohio
Bair, R. R.....	M. D.....	Chicago, Illinois
Baker, J. Milton.....	E. D.....	Crowley, Louisiana
Baker, M. J.....	M. T.....	Lake
Baker, N. A.....	M. D.....	Houghton, Michigan
Baker, Otto C.....	A. Eng.....	Lafayette
Balcerkiwicz, Charles W.....	M. D.....	Valparaiso
Baldwin, Guy.....	A. B.....	Pontiac, Michigan
Balenski, William F.....	C. Eng.....	Stanford, Connecticut
Balk, John.....	D. D. S.....	Chicago, Illinois
Ball, C. C.....	Law.....	Redkey
Ball, Irene.....	Mus.....	Valparaiso
Ballard, I. S.....	Law.....	Forest Park, Georgia
Ballard, Rucker.....	D. E.....	Forest Park, Georgia
Bancharel, Clarence.....	D. D. S.....	Vandalia, Illinois
Bannister, Edward A.....	D. D. S.....	Belfast, Ireland
Barclay, A. Ewing.....	A. B.....	Beaver, Pennsylvania
Barclay, W. C.....	Pre-M.....	Kennard, Texas
Barker, Jonathan M.....	D. D. S.....	Niobe, New York
Barnard, Clara.....	Ed.....	Wanatah
Barnard, Claud.....	Special.....	St. Charles, Arkansas
Barnard, W. H.....	Agr.....	Albertville, Alabama
Barnett, Mrs. Anna H.....	Music.....	Baldwyn, Mississippi
Barnett, S.....	M. D.....	Chicago, Illinois
Barnett, Thomas W.....	Ed.....	Kewanna
Barnwell, John.....	C. Eng.....	Centerville, Tennessee
Baron, Maurice C.....	D. D. S.....	Chicago, Illinois
Barr, George E.....	Law.....	Mansfield, Ohio
Barr, Hobart.....	Ed.....	Knox
Barrett, Gertrude.....	Pri.....	Bonham, Texas
Bartlett, Vera E.....	Ed.....	Kramer
Bartling, D. S.....	M. D.....	Herman, Nebraska
Barton, Earl Sidney.....	D. D. S.....	Durand, Wisconsin
Bashura, J. I.....	Special.....	Detroit, Michigan
Bassett, C. E.....	Ph. C.....	Salt Lake City, Utah
Bassett, Octa L.....	Elo.....	Hamilton, Missouri
Bastain, Harold Lee.....	D. D. S.....	Terre Haute
Batchelder, Carl J.....	Ed.....	Middlesex, Vermont
Bate, Lloyd E.....	Agr.....	Peotone, Illinois
Bateman, J. J.....	M. D.....	Chicago, Illinois
Baughman, Fred.....	M. T.....	Kendallville...
Baum, Ernest.....	D. D. S.....	Chicago, Illinois
Baxter, Maxwell.....	D. D. S.....	Granville Summit, Pennsylvania
Baxter, Wilma.....	D. E.....	Cambridge, Ohio
Baylor, Orval W.....	B. D.....	Mackinaw, Illinois
Bayne, Arvid.....	M. T.....	Mulberry
Bazer, Philip.....	D. D. S.....	Chicago, Illinois
Beals, E. E.....	A. B.....	Gary
Bean, Wilfred.....	C. E.....	Steamboat Springs, Colorado
Beatty, L. S.....	M. D.....	Owen Sound, Ontario, Canada
Beavers, Thomas N.....	Ph. G.....	Churubusco
Bechtol, C. M.....	D. D. S.....	Binghamton, New York
Beckstrom, Carl H.....	D. D. S.....	Montpelier, Idaho
Bedford, J. H.....	Ed.....	Pittsfield, Massachusetts
Beginan, Pernag.....	D. D. S.....	Samsoun, Armenia

Behake, Martin.....	D. D. S.....	Chicago, Illinois
Behla, H.....	M. D.....	Iditerad, Alaska
Beine, Harold E.....	A. E.....	Lena, Illinois
Beisner, Elsie.....	Mus.....	Elkhart
Belanger, Eudore.....	D. D. S.....	St. Francois, Canada
Belcher, Charity.....	Mus.....	Rome City
Belcher, Christian.....	Mus.....	Rome City
Bell, D. B.....	D. D. S.....	Hewelton, New York
Bell, Victor L.....	C. E.....	Stapleton, New York
Beller, G. L.....	Special.....	Valparaiso
Benedict, Bessie.....	Mus.....	Freeport, Michigan
Benham, Clara.....	Kind.....	Valparaiso
Bennett, Z. B.....	M. D.....	Chicago, Illinois
Bennett, L. G.....	D. D. S.....	Idaho Falls, Idaho
Benson, Alice.....	A. B.....	Belleville, Kansas
Benson, Florence.....	Mus.....	Chicago, Illinois
Benson, Robert W.....	D. D. S.....	Schaller, Iowa
Benzuly, Martin.....	D. D. S.....	Chicago, Illinois
Berbling, J. Peyton.....	Law.....	Cairo, Illinois
Berd, Geo. A.....	D. D. S.....	Chicago, Illinois
Berenson, Leo I.....	D. D. S.....	Chicago, Illinois
Berg, Arnold.....	M. D.....	New York, New York
Berg, Frank.....	D. D. S.....	Chicago, Illinois
Bergmann, Victor H.....	B. S.....	Chicago, Illinois
Bergstrom, E. A.....	Agr.....	Mansfield, Ohio
Bern, Paul.....	D. D. S.....	Jamaica, New York
Berner, Russell F.....	D. D. S.....	Genesee, Illinois
Bernsen, Louis B.....	D. D. S.....	Chicago, Illinois
Bernstein, D.....	M. D.....	Chicago, Illinois
Berry, J. D.....	Mus.....	Canadian, Texas
Bertash, Anton J.....	M. D.....	Spring Valley, Illinois
Beshears, Bula V.....	Art.....	Valparaiso
Beshears, Buna V.....	Art.....	Valparaiso
Best, Robert H.....	D. D. S.....	Chicago, Illinois
Bethea, Malcolm.....	D. D. S.....	Birmingham, Alabama
Bettag, J. L.....	Pre-M.....	Chicago, Illinois
Beveridge, Charles D.....	D. D. S.....	Bozeman, Montana
Beverly, S. S.....	M. D.....	Ann Arbor, Michigan
Bieker, Siegfried.....	M. D.....	Cullman, Alabama
Bihl, Edith.....	Pri.....	Chesterton
Billiard, Mabel.....	Mus.....	Crawfordsville
Billing, Alice E. Gerry.....	Ed.....	Carn Brea, England
Billings, Earl O.....	D. D. S.....	Geddes, South Dakota
Bin, Charles C.....	B. S.....	Brooklyn, New York
Bingaman, William T.....	D. D. S.....	Latrobe, Pennsylvania
Bink, Oscar.....	Law.....	Elizabethtown, Illinois
Bird, H. Dewey.....	Law.....	Millington, Tennessee
Bishop, G. M.....	D. D. S.....	Chicago, Illinois
Bishop, N. L.....	M. D.....	Chicago, Illinois
Bissekumer, R.....	Md. D.....	Rockford, Illinois
Bissell, Clayton.....	Law.....	Kane, Pennsylvania
Bitowski, Charles.....	Ph. C.....	Souvalki, Poland
Black, Allen J.....	Art.....	Unsona, Alberta, Canada
Black, Benjamin J.....	D. D. S.....	Chicago, Illinois
Black, Frank H.....	A. E.....	Savannah, Georgia
Black, Margaret A.....	D. E.....	St. Francisville
Blackburn, G. R.....	M. D.....	Greensburg, Pennsylvania
Blackburn, P. M.....	M. D.....	Greensburg, Pennsylvania
Blackwood, Leslie W.....	Special.....	Chicago, Illinois
Blaha, George W.....	D. D. S.....	Chicago, Illinois
Blair, Albert W.....	Law.....	Mt. Vernon, Illinois
Blake, Charles B.....	D. D. S.....	Kewanee, Illinois
Blake, Mrs. C. B.....	Special.....	Louisville, Kentucky
Blake, Gratia E.....	Mus.....	Louisville, Kentucky
Bland, Percy W.....	A. B.....	West Salem, Illinois
Blanner, Julia E.....	Ph. C.....	Watertown, Connecticut
Block, Arthur C.....	B. S.....	Seymour, Wisconsin
Block, L. H.....	M. D.....	Chicago, Illinois
Blomquist, Louis.....	Law.....	Amasa, Michigan
Bloom, Nathan D.....	D. D. S.....	Chicago, Illinois
Blum, Arthur.....	Agr.....	Mascoutah, Illinois
Bogaard, David B.....	D. D. S.....	Orange City, Iowa

Bogin, Isidor.....	D. D. S.....	Odessa, Russia
Boland, William F.....	Law.....	Scranton, Pennsylvania
Bolin, J. C.....	D. D. S.....	Claremont, California
Bollinger, C. E.....	D. D. S.....	Sycamore, Illinois
Boney, Edgar R.....	C. E.....	Wallace, North Carolina
Bonn, Charles W.....	Law.....	St. Clair, Michigan
Bonnstetter, Alexander H.....	B. S.....	West Bend, Iowa
Bookwalter, W. F.....	C. E.....	Huntington, Pennsylvania
Boone, Gretchen M.....	D. E.....	Hammond
Boothman, Kenneth G.....	Mus.....	Bryan, Ohio
Born, Robert.....	Agr.....	Woodland, Michigan
Bouchard, Stella R.....	Art.....	New Ulm, Minnesota
Boulger, Earl P.....	D. D. S.....	Brockville, Ontario, Canada
Bourelle, Verdabelle C.....	Ed.....	Manteno, Illinois
Bousa, B.....	M. D.....	Chicago, Illinois
Bowman, J.....	B. S. in Chem.....	Dentabow, Minnesota
Bowman, Milo M.....	B. S.....	Valparaiso
Bowman, Nellie.....	Pri.....	Petersburg
Boyd, Agnes.....	Mus.....	DuBois, Pennsylvania
Boyer, Mildred.....	D. E.....	Valparaiso
Boyle, James.....	Ph. C.....	Pleasant Mount, Pennsylvania
Brackett, S. G.....	M. D.....	Madison, Maine
Bradley, Frank.....	D. D. S.....	Chicago, Illinois
Bradshaw, George Hardiman.....	M. D.....	South Hadley, Massachusetts
Bradsky, J.....	M. D.....	Chicago, Illinois
Brady, Ralph E.....	Eng.....	Evansville
Brandeau, Charles H.....	D. D. S.....	Chicago, Illinois
Brane, R. C.....	M. T.....	Warren
Brane, Mrs. R. C.....	Pri.....	Warren
Branstrator, Grace.....	Ph. G.....	Fort Wayne
Brastedt, E. H.....	D. D. S.....	Kempton, North Dakota
Braun, Setonia F.....	Mus.....	Greenwood, Wisconsin
Braxton, Mrs. Anna.....	D. E.....	Paoli
Brazill, John C.....	B. S.....	Miners Mills, Pennsylvania
Breazanno, John G.....	C. E.....	New York, New York
Breese, Leona M.....	B. S.....	Ross, Ohio
Brehm, A. Oliver.....	D. D. S.....	Farmer City, Illinois
Breininger, Joshua C.....	A. B.....	Oakland, Maryland
Brickley, Marie.....	Ed.....	Bluffton
Bridgewater, Clara.....	D. E.....	Scottsburg
Briggs, Nellie Ernestine.....	Law.....	Ashland, Oregon
Briggs, William M.....	Law.....	Ashland, Oregon
Brim, Philip.....	Law.....	McGill, Nevada
Bringhurst, M. D.....	D. D. S.....	Farmer City, Illinois
Bringe, Amy.....	Music.....	Fair Oaks
Brinton, C. C.....	Music.....	Christiana, Pennsylvania
Briscoe, James.....	Law.....	Tucumcari, New Mexico
Bristow, Eugene.....	Music.....	Calera, Alabama
Brittain, Anna Marie Wilson.....	Ph. G.....	Madison
Brittain, G. D.....	Ph. G.....	Sommerfield, North Carolina
Broadbent, Donald P.....	D. D. S.....	Chicago, Illinois
Brockbank, H. D.....	D. D. S.....	Spanish Fork, Utah
Brockman, Edward.....	Ph. C.....	St. Louis, Missouri
Broder, A. I.....	D. D. S.....	New York, New York
Broderick, Stanley.....	Phar.....	Saginaw, Michigan
Broman, Etta Lillian.....	Music.....	Donaldson
Brooks, Iva.....	Music.....	Remington
Brosiloff, David.....	D. D. S.....	Brosiloff, Russia
Brosnan, J. T.....	M. D.....	Chicago, Illinois
Broutman, Nathan M.....	D. D. S.....	Chicago, Illinois
Brower, Dean.....	B. S.....	South English, Iowa
Brown, Alice.....	D. E.....	Kurtz
Brown, Ambrose C.....	D. D. S.....	Chicago, Illinois
Brown, Burl.....	M. D.....	Hopewell, Virginia
Brown, Coyle A.....	D. D. S.....	Monroeville
Brown, Freda E.....	Kind.....	Atlantic, Iowa
Brown, J. D.....	C. E.....	Ocala, Florida
Brown, Jennie.....	Music.....	Valparaiso
Brown, Mae.....	Music.....	Valparaiso
Brown, Mrs. N. M.....	Music.....	Mountainville, New York
Brown, Otis E.....	Phar.....	Marvin, Missouri
Brown, R. G.....	Ed.....	Kurtz

Brown, V. L.	Eng.	Hoopdale, Illinois
Brown, W. L.	Law	Junction City, Arkansas
Brown, W. N.	D. D. S.	Moorehead, Minnesota
Browning, Alva T.	Elo.	New Castle
Bruns, Nellie	Special	Valparaiso
Brunswold, William	Music	Ray, North Dakota
Bryant, D. R.	Law	Redding Ridge, Connecticut
Bryant, Ray B.	Special	Edgewood, Illinois
Brykalstis, Henry	Music	Jersey City, New Jersey
Bryl, J. B.	Pre-M.	Cracow, Poland
Bryner, May	D. E.	Center Point, Iowa
Buchanan, Stella	B. D.	Adel, Iowa
Buckely, Irene	D. E.	Lowell
Budka, M. A., Miss	D. D. S.	Oak Park, Illinois
Budzynski, Anthony	A. Eng.	Vresnia, Germany
Bujer, Edward R.	D. D. S.	Tripp, South Dakota
Buliet, J. Frank	Law	Corydon
Bullock, Alta L.	A. B.	Ottawa, Canada
Bundy, O. H. F.	Law	Laurel, Montana
Burdette, Pearl	Music	Union Star, Missouri
Burke, Ellsworth M.	M. D.	Great Falls, Montana
Burke, Mrs. E. M.	Music	New Port, Oregon
Burkhead, Clell G.	C. E.	Armstrong, Iowa
Burns, Arthur	Law	South Kaukauna, Wisconsin
Burns, Daniel	D. D. S.	Chicago, Illinois
Burns, Holloway Bishop	D. D. S.	Iuka, Mississippi
Burns, Joseph J.	D. D. S.	Normal, Illinois
Burns, Mabel	Music	Hebron
Burns, Nell	Ed	Otterbein
Burrows, L. A.	M. D.	Los Angeles, California
Burton, William	D. D. S.	Chicago, Illinois
Busch, Carl	D. D. S.	Chicago, Illinois
Businger, L. C. H.	D. D. S.	Amsterdam, Holland
Bustos, Sotero	M. D.	Masantol, Pampanga, P. I.
Butler, Edward S.	C. Eng.	Miami, Florida
Butler, E. J.	D. D. S.	Bloomington, Illinois
Butler, F. E.	Law	Rockford, Illinois
Butler, J. E.	Law	Trinidad, Colorado
Butt, D. Edward	Special	Oklahoma City, Oklahoma
Buxbaum, A.	M. D.	Chicago, Illinois
Byers, Lora June	Music	Hazelrigg
Byers, Olive Glenn	D. E.	Vincennes
Byrnes, Joseph L.	D. D. S.	Pawtucket, Rhode Island
Cable, C. H.	M. D.	Canton, Ohio
Cahill, Leo J.	D. D. S.	Chicago, Illinois
Caines, J. T.	C. Eng.	Couder, Kentucky
Cairns, James Morgan	B. S.	Ligonier, Pennsylvania
Calhoun, Jesse W.	B. S.	West Plains, Missouri
Calkins, H. J.	C. Eng.	Tacoma, Washington
Calkins, William	D. D. S.	Payson, Utah
Callaghan, Icie	Music	Dayton, Ohio
Calloway, W. W.	M. D.	Independence, Virginia
Calogne, J. F.	M. D.	Ashton, Idaho
Calvin, A. B.	M. D.	Chicago, Illinois
Camp, J. W.	M. D.	Portland, Oregon
Campbell, A. S.	M. D.	Greensburg, Pennsylvania
Campbell, Edna M.	Music	Dows, Iowa
Campbell, James F.	Ph. C.	Raton, New Mexico
Campbell, Lucille	Ed	Valparaiso
Campbell, Margaret	Ed	Valparaiso
Campbell, Sarah	D. E.	Albany, New York
Canfield, Herbert H.	A. Eng.	Belleville, Kansas
Canfield, Melton R.	D. D. S.	Winthrop, Minnesota
Canfield, Ruth E.	D. E.	Belleville, Kansas
Cannon, F. M.	M. D.	Congress Junction Arizona
Cannon, James H.	D. D. S.	Harrisburg, Illinois
Canon, C. T.	Special	Mayfield, Kentucky
Canon, Mrs. C. T.	Music	Mayfield, Kentucky
Capel, Robert	D. D. S.	Harrisburg, Illinois
Caplan, Louis	C. Eng.	Hartford, Connecticut
Cappell, George W.	D. D. S.	Chicago, Illinois
Carey, Anthony J.	A. B.	St. Paul, Minnesota
Carey, George E.	Music	Estuary, Sask., Canada

Carey, Golda.....	Special.....	St. Anne, Illinois
Carlbon, Edward.....	Agr.....	Perth Amboy, New Jersey
Carlson, C. S.....	D. D. S.....	Chicago, Illinois
Carlson, Evold.....	Special.....	Chicago, Illinois
Carlson, Helmer C.....	D. D. S.....	Iron Mountain, Michigan
Carlson, J. E.....	D. D. S.....	St. Chtrles, Illinois
Carmichael, Thomas.....	Ed.....	Freetown
Carmichael, Virgil.....	Ed.....	Freetown
Carn, Roy.....	Agr.....	Ocala, Florida
Carney, Landon.....	Ph. C.....	Cocoanut Grove, Florida
Carpenter, A. T.....	Ph. G.....	Flemingsburg, Kentucky
Carpenter, C. H.....	D. D. S.....	Sioux Falls, South Dakota
Carrier, Burley W.....	B. D.....	Hillsboro, Ohio
Carris, J. A.....	D. D. S.....	Turtleford, Sask., Canada
Carroll, Albert J.....	D. D. S.....	Chicago, Illinois
Carson, Dean M.....	A. Eng.....	Washburn, Wisconsin
Carter, Fred W.....	D. D. S.....	Hammond
Cary, Alice L.....	Kind.....	Bucyrus, Ohio
Carynski, Henry R.....	D. D. S.....	Chicago, Illinois
Case, Ralph A.....	D. D. S.....	McCloud, Colorado
Casey, George H.....	A. Eng.....	Norwich, Connecticut
Caslow, Morris.....	D. D. S.....	Chicago, Illinois
Caslow, S.....	M. D.....	Chicago, Illinois
Casserley, E. A.....	M. D.....	Jamaica, West Indies
Cassidy, George.....	D. D. S.....	Sluffield, Massachusetts
Chaffee, Margery.....	Music.....	Valparaiso
Chaffee, Mildred.....	Music.....	Valparaiso
Chamberlain, C. E.....	D. D. S.....	Peoria, Illinois
Chamberlain, C. Mervin.....	Agr.....	Ridgway, Pennsylvania
Chamness, M.....	Phar.....	Marion, Illinois
Chandler, Harold.....	A. Eng.....	Cheyenne, Wyoming
Chandler, Harry H.....	Exp.....	Butternut, Michigan
Chandler, S. B.....	Ed.....	Sip, Kentucky
Chang, Lun Kwai.....	D. D. S.....	Honolulu, Hawaii
Chapiewsik, John J.....	D. D. S.....	Minto, North Dakota
Chapman, Harold P.....	D. D. S.....	Chicago, Illinois
Chaput, Alfred L.....	D. D. S.....	Calumet, Michigan
Charal, Constantine G.....	D. D. S.....	Sonyma, Asia Minor
Chase, Owen R.....	D. D. S.....	Viroqua, Wisconsin
Chastain, Cleo.....	M. D.....	Whitewell, Tennessee
Cheatham, W. H.....	B. S.....	Richmond, Virginia
Chemodurow, Feador.....	A. B.....	Samara, Russia
Chenoweth, Mabel.....	Music.....	Valparaiso
Chenoweth, R. M.....	Law.....	San Jose, California
Cherry, Charles K.....	D. D. S.....	Bridgeport, Kentucky
Chesnow, Louis.....	A. Eng.....	Detroit, Michigan
Chishold, Alva M.....	D. E.....	Malden, Massachusetts
Chouinard, C. R.....	M. D.....	Chicago, Illinois
Chrastka, Irving J.....	D. D. S.....	Chicago, Illinois
Christly, W. L.....	Ph. C.....	Chicago, Illinois
Christman, N. D.....	Ed.....	Gilberts, Pennsylvania
Christnagel, W. Edwin.....	Phar.....	Valparaiso
Christoph, Gustave.....	D. D. S.....	Iditarod, Alaska
Christopherson, Jennie.....	D. E.....	Rubicon, Wisconsin
Christy, June.....	Special.....	Warren
Church, Arthur B.....	Music.....	Lamonia, Iowa
Churchill, Blanche.....	Music.....	Monette, Ohio
Chynoweth, W. R.....	M. D.....	Dayton, Ohio
Cigrand, Arthur N.....	D. D. S.....	Chicago, Illinois
Cipala, George.....	D. D. S.....	Holdingford, Minnesota
Cites, George.....	Agr.....	Wanatah
Clark, Arthur J.....	M. D.....	Laws, California
Clark, D. E.....	Pre-M.....	Chicago, Illinois
Clark, H. J.....	A. Eng.....	Moweaqua, Illinois
Clark, P. R.....	M. D.....	Frankfort, Illinois
Clarke, Robert S.....	D. D. S.....	Chicago, Illinois
Clarno, Clifton B.....	D. D. S.....	Farmer City, Illinois
Clausen, H. C.....	Ed.....	Groverton
Clement, Mamie.....	Kind.....	St. Anne, Illinois
Clements, Raymond C.....	D. D. S.....	Peoria, Illinois
Clifford, Josephine.....	Music.....	Valparaiso
Clifford, Marie.....	Ed.....	Valparaiso
Clifford, Myrina.....	Music.....	Watersmeet, Michigan

Cline, H. L.	Phar.	Orbisonia, Pennsylvania
Clmitron, F. H.	M. D.	Caguas, Porto Rico
Cloud, H. R.	M. D.	Chicago, Illinois
Cluen, Fred E.	Law	Elkhart
Clusman, Edward W.	D. D. S.	Chicago, Illinois
Clyments, Floyd.	Ph. C.	Aurelia, Iowa
Cochran, Bonnie.	Art	Tipton
Cody, Gladys.	Kind.	Tulsa, Oklahoma
Coe, Varina D.	D. E.	Washington, D. C.
Cofer, Stella	Pri.	Tucker, Georgia
Cogger, T. W.	M. D.	Chicago, Illinois
Cohan, Isadore.	D. D. S.	Chicago, Illinois
Cohan, S. G.	M. D.	Chicago, Illinois
Cohn H.	M. D.	Chicago, Illinois
Cole, Phillip S.	Law.	Farmington, Missouri
Cole, S. Louise.	Art.	Montrose, Pennsylvania
Coleman, J. W.	B. D.	Newport, Kentucky
Coleman, Mrs. J. W.	B. D.	Newport, Kentucky
Collett, Lucile.	Music.	Cokeville, Wyoming
Collins, Fay B.	Music.	Viola, Iowa
Collins, Henry J.	D. D. S.	Sioux Falls, South Dakota
Collins, H. L.	M. D.	Chicago, Illinois
Collins, Marie.	Art.	Bardwell, Kentucky
Collins, T. J.	M. D.	Cape Girardeau, Missouri
Colom, Ramon Santiago.	D. D. S.	Lares, Porto Rico
Coltman, H. D.	D. D. S.	Maywood, Illinois
Conley, J. A.	M. D.	Lennox, Michigan
Conner, Leone.	Art	Lafayette
Conway, Cathrine.	Special	Medaryville
Conway, S. J.	M. D.	Chicago, Illinois
Cook, Edward.	Art	Plymouth
Cook, George Francis.	M. D.	Norwich, Connecticut
Cook, Harry W.	D. D. S.	Hicksville, Ohio
Cook, J. E.	Pharm.	Marble Hill, Missouri
Cook, Marian.	D. E.	Norwalk, Ohio
Cook, Merlee.	Art.	Plains, Texas
Cook, R. E.	M. D.	Chicago, Illinois
Cook, R. S.	M. D.	Chicago, Illinois
Cooley, C. L.	Ph. C.	Fremont, Michigan
Cooney, F. M.	D. D. S.	New York, New York
Cooney, W. C.	M. D.	Sisterville, West Virginia
Cooper, Abraham.	D. D. S.	Chicago, Illinois
Cooper, Anna Myrtle.	Music.	Rule, Texas
Cooper, Vern H.	D. D. S.	Terre Haute
Cooper, Vernon.	A. B.	Benton, Kentucky
Copeland, Morton.	C. Eng.	Onset, Massachusetts
Copeland, W. L.	Law.	Henderson, Tennessee
Coplon, A. C.	Pre-M.	Birmingham, Alabama
Corbitt, Pearl.	Mus.	Munford, Tennessee
Cordero, J. F.	M. D.	Pototan, Philippine Islands
Corneau, Edith A.	Mus.	Evanston, Illinois
Coslett, Floyd.	M. D.	Pritchett, Texas
Costello, Marjorie.	Ed.	Fort Wayne
Costello, W. J.	M. D.	Bridgeport, Connecticut
Cotton, Albert.	A. B.	Manilla
Cottrell, Norman.	M. D.	Quincy, Illinois
Coulter, J. K.	Ph. C.	Collins, Mississippi
Coulter, Stanley.	Ph. G.	Frederiksted, D. W. I.
Courtney, T. F.	D. D. S.	Chicago, Illinois
Cox, B. C.	Ed.	Walnut Grove, Mississippi
Cox, Josephine B.	Pri.	Waukegan, Illinois
Cox, Margaret.	Art.	Waukegan, Wisconsin
Cox, Willis B.	Mus.	Hudson
Crabtree, B. F.	A. B.	Ellendale
Crabtree, Glen B.	D. D. S.	Idaho Falls, Idaho
Craft, U. S.	M. D.	Atchison, Kansas
Craggs, Clyde.	E. Eng.	Kilbourne, Illinois
Craggs, H. B.	Ph. C.	Kilbourne, Illinois
Crain, Ada N.	Ag.	Alton, Illinois
Crain, Dewey.	Phar.	Carterville, Illinois
Crain, Laura F.	Pri.	Carterville, Illinois
Crain, Paul.	Law.	Carterville, Illinois
Cram, Lilah.	D. E.	Amite, Louisiana

Crary, Harold W.	E. Eng.	Hoboken, New Jersey
Cretella, Mary P.	Pre-M.	Beacon Falls, Connecticut
Crockett, B. R.	D. D. S.	Westfield, Wisconsin
Crook, Thurman C.	M. T.	Logansport
Cross, David.	Exp.	Geneva
Crouch, Charles B.	D. D. S.	Belle Prairie, Illinois
Crumpacker, Wade.	B. S.	Valparaiso
Crust, Geo. D.	Ph. C.	Brainerd, Minnesota
Cunningham, R. E.	M. D.	Ellsworth, Maine
Cupp, Frank V.	C. Eng.	Stevensville, Michigan
Cupp, H. N.	Ed.	Ava, Illinois
Curtis, Alma R.	Exp.	Valparaiso
Cusick, Maude Adeline.	B. S.	Streator, Illinois
Custard, William A.	Ed.	Rochester
Cwiklinski, Stephen S.	Eng.	South Bend
Cwirko, J. J.	Eng.	Nieswierz-Dubiejki, Minsk
Cypherd, Gordon Oliver.	A. Eng.	Pamona, California
Cyrrier, Bernadette.	Mus.	Mateno, Illinois
Dabrowski, Julian.	Ph. C.	Suffield, Connecticut
Dagani, Fidel C.	Eng.	Cabadbaran, Philippine Islands
Dahl, Harry J.	D. D. S.	Fargo, North Dakota
Dahmar, E. R.	M. D.	Chicago, Illinois
Dalley, Howard S.	Law	Ripley, New York
Dalrymple, Allen L.	Special	Valparaiso
Dalrymple, S. D.	D. D. S.	Hingham, Montana
Damarin, H. L.	D. D. S.	Chicago, Illinois
Dambruski, Joseph.	M. T.	Springfield, Ohio
Damon, F. A.	A. B.	Battle Creek, Michigan
Daniel, G. C.	M. D.	Potter, Kentucky
Daniels, Jesse Howard.	M. T.	Harrisburg, Pennsylvania
Dannewitz, Lyle.	D. D. S.	Somonauk, Illinois
Darke, Emery.	Ed.	Sharpsoettle
Davenport, J. D.	M. D.	Chicago, Illinois
Davidson, Martha.	Ed.	Valparaiso
Davidson, Maynard.	A. B.	Atoka, Tennessee
Davies, Clarence H.	D. D. S.	Chicago, Illinois
Davis, C.	M. D.	Chicago, Illinois
Davis, D. E.	Law	Stockton, Illinois
Davis, Della.	Mus.	Benwood, West Virginia
Davis, D. W.	A. B.	Valparaiso
Davis, Edward J.	D. D. S.	East Chicago
Davis, Frieda F.	Pri.	Osceola, Iowa
Davis, Gertrude.	Mus.	Waubay, South Dakota
Davis, Harry L.	D. D. S.	Tacoma, Washington
Davis, John S.	Exp.	Minneapolis, Minnesota
Davis, Merrill R.	M. D.	Minden Mines, Missouri
Davis, Spencer A.	Phar.	Springfield, Ohio
Dawes, Roy A.	D. D. S.	Strong's Prairie, Wisconsin
Day, J. C.	D. D. S.	Sabula, Iowa
Dean, Benjamin.	Law	Lubbock, Texas
Dean, Daisy.	Pri.	Lake
Dean, Earl D.	Ed.	Binghamton, New York
Dearman, A. M.	M. D.	Reedy, West Virginia
de Austria, Salvador.	Law.	Magdalena, Philippine Islands
DeBella, Joseph T.	D. D. S.	Garfield, New York
Decker, Jewel.	Mus.	Sonora, Texas
de Costa, A. M.	C. Eng.	Rio de Janeiro, Brazil, S. A.
Deegan, J. Frank.	B. S.	Ironton, Ohio
DeFietas, J. A.	M. D.	Springfield, Illinois
DeHaas, Karl R.	M. D.	Paw Paw, West Virginia
de Leon, P. P.	M. D.	Llvg, Occidental Negros, P. I.
Delgado, Francisco.	D. D. S.	Ciego de Avila, Cuba
Delzell, Hazel M.	Kind.	Damascus, Ohio
Demmon, Alvin G.	Phar.	Lusk, Wyoming
Demski, J. Stanislaus.	D. D. S.	Chicago, Illinois
Dendy, Fred L.	Exp.	Albertville, Alabama
Dendy, Lillian Vespa.	A. B.	Boaz, Alabama
Deneen, Margaret.	Mus.	Blue Mounds, Wisconsin
DeNeler, Emmie.	Ed.	Little Rock, Arkansas
Denholm, Roy F.	D. D. S.	Blythe, Canada
Dennis, Thomas.	Agr.	Newark, Ohio
de Peralta, E. G.	Mus.	Claveria Cagayan, P. I.
DeSalvo, F.	M. D.	Chicago, Illinois

Deutsch, Melvin B.	D. D. S.	Chicago, Illinois
Deutsch, Samuel R.	D. D. S.	Chicago, Illinois
Devan, John K.	Art.	Newark, New Jersey
Dewhirst, Lowell W.	D. D. S.	Noble, Illinois
Diamondstein, J.	M. D.	Brooklyn, New York
Diaz, Jose L.	C. Eng.	Aliaga, Nueva Elija, P. I.
Dickinson, Elizabeth B.	D. E.	Oswego, New York
Dickinson, F. Rolland.	Agr.	Cleveland, New York
Dicus, Florence.	Special	Detroit, Michigan
Dimer, Solomon.	D. D. S.	Chicago, Illinois
Dinsmoor, Clyde N.	Mus.	DuBois, Pennsylvania
Dirks, B. J.	A. Eng.	Brunsville, Iowa
Ditmore, Claude.	B. S.	Greenshboro, North Carolina
Dittmer, Cedric K.	D. D. S.	Seymour, Wisconsin
Plugoff, Benjamin.	D. D. S.	Chicago, Illinois
Dobre, Harry U.	Law	Chicago, Illinois
Dockery, E. E.	M. D.	Milwaukee, Wisconsin
Dolan, Alice.	Mus.	Sharpsville, Pennsylvania
Dolan, L. E.	D. D. S.	Roberts, Illinois
Dolisi, Edna A.	Kind.	Eudora, Kansas
Dolnick, M. A.	M. D.	Chicago, Illinois
Dolph, Wilbert.	A. Eng.	Rome, Georgia
Dolson, Olive.	Mus.	Valparaiso
Donner, Joseph.	Special	Chicago, Illinois
Donovan, Daniel M.	M. D.	North Tonawanda, New York
Dooley, Mrs. L. C.	Special	Coffeyville, Kansas
Dorland, Leon.	D. D. S.	Chippewa Falls, Wisconsin
Dorr, Philip C.	C. Eng.	Washington, D. C.
Dorsett, W. C.	D. D. S.	
Dorzieski, E. F.	M. D.	Lily, Wisconsin
Doty, Robert.	M. D.	Port Orange, Florida
Doubeck, M. S.	M. D.	Chicago, Illinois
Douce, Josephine.	M. D.	Marion, Ohio
Downey, J. Harold.	Law	Joliet, Illinois
Doxey, George R.	D. D. S.	Ogden, Utah
Draggao, Elsie M.	Pri.	Owensville
Draggo, W. Wehman.	Ed.	Ridgeville
Draper, Joseph S.	D. D. S.	Sullivan
Draschil, A. J.	Special	Utica, New York
Drews, E. G.	Ph. G.	Plainview, Minnesota
Drugwold, David.	B. S.	Scarville, Iowa
Drumm, J. Raymond.	Agr.	Mt. Nebo, Pennsylvania
Dumont, Donald C.	M. T.	Skowhegan, Maine
Duncan, Clyde C.	Ed.	Valparaiso
Duncan, Hubert F.	D. D. S.	Joliet, Illinois
Duncan, Jess M.	Ed.	Valparaiso
Duncan, Naomi.	Ed.	Valparaiso
Duncan, Wilfred M.	D. D. S.	Summerside, Prince Ed. Is., Can.
Dunfee, Grace I.	Ed.	Knox
Dunklee, Paul H.	C. Eng.	Athol, Massachusetts
Dunlap, Addie.	Agr.	Beloit, Wisconsin
Dunlap, Mary.	Exp.	Argos
Dunn, Zora.	Ed.	Hebron
Dunten, Vesta Ann.	D. E.	Huntertown
Durance, Frances.	Ed.	Charlevoix, Michigan
Dunrance, Genevieve.	Ed.	Charlevoix, Michigan
Duxbury, Millard Neil.	D. D. S.	Olympia, Washington
Duxzynski, Walter.	C. Eng.	Jersey City, New Jersey
Dvorkin, B.	D. D. S.	Chicago, Illinois
Dworkin, Louis.	C. Eng.	Detroit, Michigan
Dyar, J. P.	M. D.	Boaz, Alabama
Dyer, V. L.	M. D.	Fort Seybert, West Virginia
Dyke, William F.	Ed.	Denver, Colorado
Dyrenforth, R.	Mus.	Chicago, Illinois
Dyson, Fred.	D. D. S.	Becker, Minnesota
Dziura, John.	M. D.	Krosno, Mecinka, Poland
Ealing, Margaret.	Mus.	Valparaiso
Early, Joseph C.	D. D. S.	Chicago, Illinois
Eberly, Ivan G.	Mus.	Bosell
Echolds, E. Frank.	Ed.	Windfall
Echols, Robert Templeton.	Phar.	Longview, Texas
Echols, Mrs. R. T.	D. E.	Longview, Texas
Eck, Edward J.	D. D. S.	Chicago, Illinois

Eckles, George T.	Phar.	St. Charles, Minnesota
Edgington, Harry W.	M. D.	South Portsmouth, Kentucky
Edgren, Ellen H.	A. B.	Britt, Iowa
Edgren, Esther	Pri.	Britt, Iowa
Edison, Austin G.	Ph. G.	Kankakee, Illinois
Edmonds, Achsa.	B. D.	Hastings, Michigan
Edwards, Charles	Special	Bargoed, England
Edwards, Ethel	Kind.	Newark, Ohio
Edwards, J. Laurence	Law	Blakely, Georgia
Eide, B. C.	Pre-M.	Chicago, Illinois
Eisenmenger, Hannah	Mus.	North Liberty
Eldridge, Raymond Atwood	Agr.	Chatham, Massachusetts
Elias, Frank J.	Pri.	Chicago, Illinois
Elikoff, Alexander M.	C. Eng.	Province Don, Russia
Ellerman, Viola	Mus.	Zanesville, Ohio
Elliott, Clinton A.	M. D.	Cedar Bluff, Alabama
Elliott, Harry D.	C. Eng.	Oconto Falls, Wisconsin
Elliott, John W.	Ed.	State Line
Elliott, Warren W.	B. S.	New Alexandria, Pennsylvania
Ellis, Jerry D.	Phar.	New York, New York
Elvig, Henry N.	Ph. C.	Brainerd, Minnesota
Emery, C. R.	M. D.	Butte, Montana
Emmons, Henry	C. Eng.	Portland, Maine
Emmons, Laurence	A. Eng.	Portland, Maine
Emons, H.	M. D.	Cutler
Endicott, Edith E.	Pri.	Poseyville
Endicott, Ruth	Pri.	Poseyville
Engleman, N. R.	A. Eng.	New Albany
Englesby, Gertrude	Pri.	Watertown, South Dakota
English, Arthur H.	C. Eng.	Hendersonville, North Carolina
English, Opal M.	Pri.	Plymouth
Enoch, Clyde M.	D. D. S.	Parkersburg, West Virginia
Enoch, Merle	Exp.	Rochester
Enos, Mary	Ed.	Manilla
Enright, William B.	D. D. S.	Listowel, Ireland
Epstein, Elieser	Eng.	Bridgeport, Connecticut
Erb, Marie A.	D. E.	Schererville
Erickson, Alice	Mus.	Galesburg, Illinois
Erickson, Florence	Mus.	Mountainville, New York
Erickson, Oscar	M. Eng.	Crosby, Minnesota
Erickson, Verna	Mus.	Galesburg, Illinois
Ernig, Elmer	A. B.	Fowler
Ernst, H. C.	M. D.	New York, New York
Errico, Edward	E. Eng.	New York, New York
Erwin, Arta	Pri.	Britt, Iowa
Escovar, Joaquin	Phar.	Medellin, Colombia, S. A.
Eurit, D. H.	B. S.	Hall, West Virginia
Evans, Blanche	D. E.	Goodwater, Alabama
Evans, W. S.	M. D.	Chicago, Illinois
Evanson, Dora	D. E.	Hudson, South Dakota
Evandall, David	Phar.	Red Star, West Virginia
Everhart, A. M.	M. D.	Greenfield, Ohio
Ewart, Edward J.	Law	Ogdenburg, New York
Ewing, Lucile	Exp.	Miami, Texas
Ewing, Mary	Ed.	Valparaiso
Faasen, A. W.	D. D. S.	Amsterdam, Holland
Faber, George B.	M. D.	Young, West Virginia
Fager, Raymond N.	C. Eng.	Reading, Pennsylvania
Fair, James Dale	Law	Medicine Lodge, Kansas
Fahey, William J.	Law	Kingston, Pennsylvania
Farfan, Robert	Special	LaPaz, Bolivia, S. A.
Farley, Ruth S.	Pri.	South Haven, Michigan
Farnsworth, Jennie	D. E.	Afton, Iowa
Farris, Evan L.	Phar.	Norwich, Kansas
Fechet, Eugene M.	Eng.	Eustis, Florida
Fedell, Charles	A. B.	Chicopee, Kansas
Feightner, R. S.	M. D.	Chicago, Illinois
Feike, Florence	Kind.	Hillsboro, Ohio
Felscher, W. Z.	M. D.	Chicago, Illinois
Fernhol, Emil J.	Mus.	Arcadia, Wisconsin
Ferch, Melvin O.	Law	Knox
Ferguson, Lola	Phar.	Kempton
Fernandez, Ramon	D. D. S.	San Juan, Porto Rico

Fernley, Dorothy M.	Mus.	Aurora, Illinois
Ferrel, V.	M. D.	Equality, Illinois
Feuerlicht, Henry D.	D. D. S.	Chicago, Illinois
Fiddler, Elizabeth	Ed.	Bristol, Wisconsin
Field, A. D.	B. S.	Keene, Texas
Filette, V.	M. D.	Chicago, Illinois
Finberg, J.	M. D.	St. Paul, Minnesota
Fimbol, Bernardo	M. D.	Augelis, Pampa, P. I.
Findling, Paul	Phar.	Valparaiso
Fink, Helen S.	Ed.	Chicago, Illinois
Finke, Almore H.	D. D. S.	Mt. Horeb, Wisconsin
Finkelstein, Bernard	D. D. S.	Chicago, Illinois
Finkelstein, Harry	D. D. S.	Chicago, Illinois
Finkle, Richard	Ed.	Galva, Kansas
Finley, Dorothy	Mus.	Darlington
Finley, Merl	C. Eng.	Chatfield, Minnesota
Fischer, Thomas G.	D. D. S.	Chicago, Illinois
Fisheloy, Sylvia, Miss.	D. D. S.	Chicago, Illinois
Fisher, Amber	D. E.	Alvordton, Ohio
Fisher, Arthur R.	Phar.	Jerseyville
Fisher, Ethel M.	Music	Indianapolis
Fisher, H. Townsend	C. Eng.	Vineland, New Jersey
Fisk, Leon M.	A. B.	Valparaiso
Fitzgerald, P.	Law	Philadelphia, Pennsylvania
Fleishner, C. A.	M. D.	Chicago, Illinois
Fleming, T. A.	Phar.	Arlington, Tennessee
Flesher, R. E.	M. D.	Miles City, Montana
Fletcher, Everett J.	Law	Knox
Flint, C. W.	M. D.	Chicago, Illinois
Flint, L. E.	M. D.	Lawton, West Virginia
Flood, James S.	D. D. S.	Kendall, Wisconsin
Flora, Martha	Music	Cutler
Flory, Wilmer B.	Ed.	Logansport
Fodness, Claude A.	D. D. S.	Heron Lake, Minnesota
Folck, Leota	Ed.	Robinson, Illinois
Folkowitz, M.	M. D.	Chicago, Illinois
Fonken, Mary E.	Pri.	Forreston, Illinois
Fordonski, W.	Agr.	Chicago, Illinois
Forman, G. B.	Agr.	Gloster, Mississippi
Fortelka, F.	M. D.	Chicago, Illinois
Forter, Marjorie Ruth	Music	Kalispell, Montana
Fossum, C.	M. D.	Moose Lake, Minnesota
Fournier, Marie	D. E.	Remington
Fourts, Ola I.	Music	Wyoming, Illinois
Foutz, Earl R.	D. D. S.	Richfield, Utah
Fox, Eugene C.	D. D. S.	Ironwood, Michigan
Fox, Norman H.	D. D. S.	Chicago, Illinois
Foy, Emma	A. Eng.	Geneseo, Illinois
Fraber, George B.	M. D.	Young, West Virginia
Framkein, F. G.	D. D. S.	St. Paul, Minnesota
Francia, Jose	C. Eng.	Meykawayan, Philippine Islands
Franks, Richard F.	Special	Greenville, South Carolina
Frederickson, G.	M. D.	Iron Mountain, Michigan
Freed, H. L.	Music	Dutton, Montana
Freeman, Claire	Ed.	Hammond
Freeman, Lucille	Ed.	Hammond
Freidinger, Harold L.	D. D. S.	Springfield, Illinois
French, Ballard F.	D. D. S.	Helena, Montana
French, Charles F.	D. D. S.	British Columbia, Canada
French, Lyle V.	D. D. S.	Clinton, Wisconsin
Friderichs, Max	C. Eng.	Guben, Germany
Fridolph, Annette	Ed.	Canadian, Texas
Fridolph, Ruth	Ed.	Canadian, Texas
Friedman, Albert	D. D. S.	Chicago, Illinois
Friend, Charles	D. D. S.	Passaic, New Jersey
Fuentes, Carlos S.	C. Eng.	Havana, Cuba
Fuguitt, C. V.	Agr.	Hazard, Kentucky
Fuqua, V. E.	D. D. S.	Chicago, Illinois
Furie, Walter J.	D. D. S.	Chicago, Illinois
Gaebe, Ervin	Ph. G.	New Salem, North Dakota
Gabman, Floyd	Ed.	Craigville
Gallagher, James	Music	Allentown, Pennsylvania
Gallagher, S. H.	M. D.	Fort Edward, Washington

Gallegos, I. V.	Law	Montoya, New Mexico
Ganey, Andrew H.	D. D. S.	Chicago, Illinois
Gannon, N. D.	M. D.	Erie, Pennsylvania
Ganyard, F. C.	M. D.	Brunswick, Ohio
Ganyard, L. E.	Pre-M.	Brunswick, Ohio
Ganzer, Charles	Special	Chicago, Illinois
Garcia, Carlos M.	D. D. S.	Isabela, Porto Rico
Garcia, Joseph	D. D. S.	LaLania, Spain
Garlington, R. B.	B. S.	Camp Hill, Alabama
Garnitz, B.	Pre-M.	Chicago, Illinois
Garrard, Thelma	A. B.	Bartow, Florida
Garretson, H. S.	Phar.	Madeline, California
Gaston, Roscoe	Ed.	Valparaiso
Gates, Harold A.	Ph. C.	Valparaiso
Gaucher, Lonzo L.	M. D.	Baltic, Connecticut
Gay, Ethridge B.	B. S.	Brookfield, Georgia
Gay, Juan R.	M. D.	Sara, Philippine Islands
Gay, Sadie Irene	D. E.	Berlin Heights, Ohio
Gaynor, James F.	D. D. S.	Hermholdt, Canada
Geannellis, Yphigenia	Music	Chicago, Illinois
Gecht, M.	M. D.	Chicago, Illinois
Gedstead, J. C.	D. D. S.	Lennox, South Dakota
Gee, Mrs. Margaret	D. D. S.	Blackfoot, Idaho
Geiger, W. S.	M. D.	North English, Iowa
Gelinas, Frank	D. D. S.	Willimantic, Connecticut
Gender, Margaret	Music	Guttenberg, Iowa
Genell, J. Stanley	A. B.	Bel Air, Maryland
Gerber, Grace Rebecca	Law	Hagerstown, Maryland
Gericke, Frederick	M. D.	Lake Mills, Wisconsin
Gerlach, Leo	D. D. S.	Chicago, Illinois
Gershowsky, Boris	Eng.	Samara, Russia
Getter, Philip B.	C. Eng.	Harrisburg, Pennsylvania
Geyer, Margaret	Ed.	South Bend
Gholson, Paul	D. D. S.	Fergus, Falls, Minnesota
Gibbens, Frank H.	D. D. S.	Fargo, North Dakota
Gibson, Hazel	Ed.	Maitland, Missouri
Gibson, R. E.	B. S.	Maitland, Missouri
Gibson, Viola	Music	Louisville, Kentucky
Giedgowd, Peter	A. B.	Batavia, Illinois
Giese, T.	M. D.	Chicago, Illinois
Gifford, Frances Beverly	Music	Port Angeles, Washington
Gilbreth, G. H.	M. D.	Marion, Ohio
Giles, Adelaide	Ed.	Brookfield, Missouri
Gillespie, Vere E.	B. D.	Ligonier
Gindelberger, Russel	Ed.	Walkerton
Ginsburg, Irving	D. D. S.	Chicago, Illinois
Ginsburg, Samuel J.	D. D. S.	Chicago, Illinois
Gladden, Mary	Music	Scottsburg
Glasgow, Floyd	D. D. S.	Decatur, Illinois
Glasgow, Garth G.	D. D. S.	Decatur, Illinois
Glasscott, Eulalia	D. E.	Michigan City
Glassman, J. J.	D. D. S.	Chicago, Illinois
Galwe, Arthur E.	D. D. S.	Geneseo, Illinois
Gleason, M. H.	M. D.	Butte, Montana
Glines, R. B.	B. S.	Yale, Illinois
Goddard, Myrtle	Ed.	Oconto Falls, Wisconsin
Godfrey, William I.	Ed.	Mt. Sterling, Ohio
Goebel, Charles G.	D. D. S.	Chicago, Illinois
Goldberg, C.	M. D.	Chicago, Illinois
Goldberg, Joseph	D. D. S.	Chicago, Illinois
Goldin, R. B.	M. D.	Draketown, Georgia
Goldsmith, Walter	D. D. S.	Chicago, Illinois
Goldstein, Gersen M.	D. D. S.	Chicago, Illinois
Goldstein, Louis M.	D. D. S.	Chicago, Illinois
Gonzaga, Vincent J.	M. D.	Murcia, Philippine Islands
Gonzales, Alfredo	Law	Iloilo, Philippine Islands
Golzales, Benigno, Alvarez	Special	Santiago, Cuba
Goodacre, May	Pri	Wilcott
Goode, Clifford A.	D. D. S.	Fremont, Ohio
Goodney, Sidney B.	D. D. S.	Ishpeming, Michigan
Gordon, A. J.	M. D.	Chicago, Illinois
Gordon, J. L.	M. D.	Valparaiso
Gordon, Sonia, Miss.	D. D. S.	Chicago, Illinois

Gorman, H. F.	D. D. S.	Hartville, Missouri
Gorton, Samuel Potter	M. D.	Norwich, Connecticut
Gossett, Estella	Ed	Porter
Gottlieb, Jacob	Agr	Philadelphia, Pennsylvania
Gouse, Melvin H.	D. D. S.	Elizabeth, Illinois
Govoroff, Wm.	Agr	Kharkaro, Russia
Gowdy, R. A.	M. D.	Big Falls, Minnesota
Gradle, Homer B.	A. Eng.	Hebron
Graham, E. E.	D. D. S.	Rockton, Illinois
Graham, Geo. A.	C. Eng.	Hanover, Illinois
Graham, Marion E.	Ed	Logansport
Graham, Maud	Ed	Cedarville, Ohio
Graham, Rachel	D. E.	Biggsville, Illinois
Graham, Viola	Special	Cedarville, Ohio
Grahek, J.	M. D.	Calumet, Michigan
Gramdales, Muguel	A. Eng.	Guantanamo, Cuba
Grammer, Mrs. Ellis E.	Music	Alto Pass, Illinois
Grant, David S.	Law	Beverly, Massachusetts
Grant, J. A.	Eng	Atlanta, Georgia
Grassel, Otto	Ph. C.	Menominee, Michigan
Graverson, Ida	D. E.	Bremen
Graves, Hardin	Special	Bardwell, Kentucky
Graves, J. P.	M. D.	Linton
Gray, Gertrude	Music	Darlington
Gray, Fleta Delle	Art	Remington
Green, C. Greeley	D. D. S.	Alta, Wyoming
Green, John W.	D. D. S.	Newman, Illinois
Green, Samuel	D. D. S.	Chicago, Illinois
Greenwalt, Mary C.	Pri	Fort Wayne
Greenberg, Herman	D. D. S.	New York, New York
Greenberg, Stella	D. D. S.	Chicago, Illinois
Greene, A. C.	Art	Abbeville, Louisiana
Greener, J. H.	Music	Rayland, Ohio
Greenspohn, Irving	D. D. S.	Chicago, Illinois
Greenstein, Maurice J.	D. D. S.	Chicago, Illinois
Greenwald, Leo J.	D. D. S.	Ludington, Michigan
Greenwood, Mary E.	Art	Hickory Ridge, Arkansas
Gregory, D. L.	B. S.	Center, Mississippi
Griffey, Edward W.	M. D.	Memphis, Tennessee
Griffin, L. I.	Special	Chicago, Illinois
Griffiths, A. E.	Law	East Chicago
Grigsby, LeRoy	D. D. S.	Aurora, Illinois
Grimm, C. H.	M. D.	Chicago, Illinois
Grimm, Paul F.	D. D. S.	Chicago, Illinois
Grinde, Geo. B.	D. D. S.	Mt. Horeb, Wisconsin
Grinde, J. Alfred	D. D. S.	Portland, North Dakota
Groner, F. M.	M. D.	Chicago, Illinois
Gronwold, Hilda V.	Music	Kenyon, Minnesota
Groom, G. Kenneth	C. Eng.	St. Albans, Vermont
Grossman, Harry A.	M. D.	Chicago, Illinois
Grove, Chloe I.	Special	Poneto
Grove, Verna V.	Exp.	Plover, Iowa
Grover, Earl G.	B. S.	Rowley, Iowa
Gruber, Savilla	Special	Manteno, Illinois
Gruenert, Amanda	B. S.	Valparaiso
Gruner, E. F.	M. D.	Ashville, North Carolina
Gudmussen, Reed	D. D. S.	Burley, Idaho
Guidi, Modesto F.	Special	Banes, Cuba
Guin, Charles B.	B. S.	Findley, Illinois
Guleke, Martha	Music	Amarillo, Texas
Gullickson, Mrs. T. W.	D. E.	Valparaiso
Gunter, Eugene	Law	Teneha, Texas
Gurren, James C.	Law	Cincinnati, Ohio
Gutierrez, Antonio De P.	Eng	Valparaiso
Guymon, Oren O.	B. S.	Windfall
Haag, A. F.	M. D.	Evansville, Wisconsin
Haas, Irma	Kind	Winamac
Haas, Maud	Pri	Lakeville
Hahn, Edward N.	D. D. S.	Chicago, Illinois
Hahn, Harold C.	D. D. S.	Ottawa, Iowa
Haidopoulos, Demetrius	D. D. S.	Cosani, Greece
Haislip, R. E.	Phar	Troy, Tennessee
Halar, Geo	Exp.	Vodena, Draga, Austria

Hale, J. S.	Ed.	Vinita, Oklahoma
Haley, C. O.	M. D.	Ada, Ohio
Halford, Nell	B. S.	Memphis, Tennessee
Halgreen, L. O.	D. D. S.	Ogden, Utah
Hall, A. C.	C. Eng.	Christianburg, Virginia
Hall, Charlotte	Special.	Brockton, Massachusetts
Hall, Joseph S.	Law.	Scotland, Arkansas
Hall, W. E.	B. S.	Scotland, Arkansas
Halliday, Eldora	Kind.	Lena, Illinois
Hallaway, E. L.	A. B.	Russellville, Arkansas
Halyama, G. E.	M. D.	New Kensington, Pennsylvania
Hamilton, Berneita	Exp.	Valparaiso
Hamilton, Floyd R.	D. D. S.	Iowa Falls, Iowa
Hamm, Edward	D. D. S.	Ishpeming, Michigan
Hanchett, Leonard L.	Agr.	Elgin, Illinois
Haneman, Harold, J. F.	C. Eng.	Holyoke, Massachusetts
Haney, George Ira	A. B.	Lamesa, Texas
Haney, Quincy T.	Music	Lamesa, Texas
Hanley, George H.	A. Eng.	Holyoke, Massachusetts
Hanna, W. Emory	D. D. S.	Birmingham, Michigan
Hansen, H. C.	M. D.	Escanaba, Michigan
Hansen, John A.	Eng.	Copenhagen, Denmark
Hanson, Alvin	Agr.	Manitowoc, Wisconsin
Hanson, Frank W.	Eng.	South Weymouth, Massachusetts
Hanson, H. Edward	D. D. S.	Winton, Minnesota
Hanson, Raymond P.	D. D. S.	Sioux Falls, South Dakota
Harding, Rollo E.	Special.	Raymondville, Texas
Harger, Laura	Music	Westerville, New York
Harker, W. C.	M. D.	Chicago, Illinois
Harmon, Eva	Ed.	Rhea Springs, Tennessee
Harmon, R.	Ed.	Interlaken, New York
Harnett, D. L.	Pre-M.	Chicago Heights, Illinois
Harper, B. F.	Agr.	Mouth of Seneca, West Virginia
Harper, Hobart	Phar.	LaCrosse, Kansas
Harper, Riley	Ed.	Marthaville, Louisiana
Harper, Ruth	Ed.	Ligonier
Harrell, Clara	A. B.	Pasadena, California
Harrell, Hilda	Pri.	LaFayette, Louisiana
Harrell, Roy	Special.	Nortonville, Kentucky
Harrington, Archie D.	A. Eng.	Danbury, Iowa
Harris, Frank S.	D. D. S.	Gilman, Illinois
Harris, Julius	Ed.	Chicago, Illinois
Harrison, C. E.	M. D.	Bienville, Louisiana
Harrison, Harlan C.	B. S.	Keene, Texas
Harrison, Oscar T.	Special.	Christopher, Illinois
Hart, Chester C.	D. D. S.	Chicago, Illinois
Hart, John C.	M. D.	Oak, Illinois
Hartley, Belle	D. E.	Rockford, Illinois
Harvey, H. N.	B. S.	Royal Center
Harwood, Agnes	Ed.	Logansport
Hashinzade, Jalil	D. D. S.	Tabriz, Persia
Haslem, Melvin	M. T.	Jansen, Utah
Hass, Harold	Eng.	Menominee, Michigan
Hasson, Glenn R.	Ed.	Utica, Pennsylvania
Hattenburg, Albert F.	Ph. G.	Clifton, Illinois
Haug, Clemens M.	D. D. S.	Duluth, Minnesota
Haverstick, Edna L.	D. E.	Sunbury, Pennsylvania
Hawk, Della J.	D. E.	Fenton, Illinois
Hawkins, Floyd T.	M. D.	Tennnga, Georgia
Hawkins, William S.	Law	Pittsburg, Pennsylvania
Hayes, Leo	C. Eng.	Wells, Minnesota
Hays, S. B.	A. Eng.	Newcomerstown, Ohio
Hayward, Jerry R.	D. D. S.	Fenimore, Wisconsin
Heacock, Florence	D. E.	Salem
Healy, Alice	Ed.	Kankakee, Illinois
Heckel, Mildred	Ed.	New Albany
Hediger, E.	M. D.	Carlisle, Illinois
Hefferman, J. Francis	B. S.	Milbank, South Dakota
Heikens, John	Special.	Spencer, Iowa
Heikens, Rose A.	Exp.	Everly, Iowa
Heineman, Dorothy	Music	Valparaiso
Heinle, Beatrice	D. E.	Argenta, Illinois
Heinle, W. F.	Ed.	Argenta, Illinois

Heinlen, Hazel.....	D. E.....	Bucyrus, Ohio
Heinzman, Carl N.....	D. D. S.....	Metamora, Illinois
Heisler, W. L.....	M. D.....	Howard, Kansas
Heiss, H.....	M. D.....	Chicago, Illinois
Helbraun, Louis.....	Phar.....	Chicago, Illinois
Helgeson, Harold O.....	D. D. S.....	Marinette, Wisconsin
Heller, Rufus.....	D. D. S.....	Peoria, Illinois
Helmer, R. O.....	D. D. S.....	Philadelphia, Pennsylvania
Hemphill, Jesse D.....	Agr.....	Camelton
Hemstock, Lola.....	Special.....	Valparaiso
Henderson, Harry M.....	D. D. S.....	Niagara Falls, Canada
Henderson, Martin S.....	D. D. S.....	Fargo, North Dakota
Henderson, Reita A.....	B. S. in Chem.....	Holyoke, Massachusetts
Hendricks, Mayme.....	Ed.....	Bolivar, Missouri
Hendricks, Wanda.....	D. E.....	Winifred, Montana
Hendrix, Archie.....	Music.....	Wheatfield
Hengel, Arthur M.....	Law.....	Anamoose, North Dakota
Henkel, J. Fred.....	D. D. S.....	Lancaster, Wisconsin
Henkin, Aaron.....	D. D. S.....	Chicago, Illinois
Henan, C. W.....	M. D.....	Richland Center, Wisconsin
Henrick, John.....	Special.....	Valparaiso
Henry, Albert Gallatin.....	B. S.....	Guntersville, Alabama
Henson, Willard.....	Ed.....	Norris City
Heob, Elroy W.....	Ed.....	St. Louis, Missouri
Herbert, Earl.....	Law.....	Honesdale, Pennsylvania
Herkel, George A.....	D. D. S.....	Middleville, New York
Herkenrath, Herbert W.....	D. D. S.....	Seattle, Washington
Herman, Joel.....	D. D. S.....	Chicago, Illinois
Hernandez, Ulises.....	D. D. S.....	Caguas, Porto Rico
Herreich, Arthur.....	D. D. S.....	Chicago, Illinois
Hirsch, William Henry.....	D. D. S.....	Tripp, South Dakota
Hershman, M.....	M. D.....	Chicago, Illinois
Herzog, Mercedes.....	Ed.....	Dayton, Ohio
Hess, Edward A.....	Phar.....	Albion, Nebraska
Hess, Frank G.....	D. D. S.....	Winona, Minnesota
Hess, Juliet Ann.....	Pri.....	Plymouth
Hess, R. Marion.....	C. Eng.....	Stillwater, Pennsylvania
Hewett, H. E.....	M. D.....	Chicago, Illinois
Hiatt, H.....	M. D.....	Albion
Hibbe, C.....	M. D.....	Chicago, Illinois
Hickman, Elton H.....	A. B.....	McKeesport, Pennsylvania
Hickman, Harry E.....	B. S.....	McKeesport, Pennsylvania
Hickner, F. P.....	Ed.....	Valparaiso
Hieatt, Evelyn.....	Ed.....	Orestes
Hiemenz, Leo.....	A. Eng.....	Lancaster, Pennsylvania
Higgins, Junior.....	Special.....	Gullett, Kentucky
Hill, Albert M.....	Agr.....	Appleton, Minnesota
Hill, Emil.....	M. T.....	Cloquet, Minnesota
Hill, J. H.....	Ed.....	Kurtz
Hill, Joan Townsend.....	Music.....	Cambridge, Wisconsin
Hill, Maude.....	Pri.....	Owenton, Kentucky
Hiller, Otto.....	M. D.....	Pawtucket, Rhode Island
Hilliard, Neil G.....	Special.....	Seymour, Texas
Hilliard, Prentis.....	Law.....	Cherokee, Texas
Hilliker, Mable.....	Music.....	Kankakee, Illinois
Hillyer, Ruby Opal.....	Ed.....	Oxford
Hilton, W. E.....	M. D.....	Chicago, Illinois
Hinckley, Mrs. E. A.....	Music.....	San Francisco, California
Hiner, Clara.....	Ed.....	Needham
Hirshberg, Sidney S.....	Ph. G.....	South Milwaukee, Wisconsin
Hirschmann, Margaretha.....	Music.....	Michigan City
Hirst, Kenneth E.....	Phar.....	Freeport, Illinois
Hitt, Clapde J.....	D. D. S.....	Hicksville, Ohio
Hjorth, George L.....	Ed.....	Chicago, Illinois
Hoag, H. C.....	M. D.....	Waterloo, Wisconsin
Hobbs, Edwyn.....	E. Eng.....	Ogden, Utah
Hodes, J. E.....	M. D.....	Brooklyn, New York
Hodges, Howell.....	A. B.....	Lincoln, Kansas
Hofer, Victor H.....	Ed.....	Inman, Kansas
Hoeft, William J.....	D. D. S.....	Geneseo, Illinois
Hoffeins, H. C.....	D. D. S.....	Manilla, Iowa
Hoffman, Joseph.....	D. D. S.....	Chicago, Illinois
Hoffman, Wesley.....	B. S.....	Valparaiso

Hofherr, Grace	Pri	Yorktown
Hogan, Arthur E.	A. B.	St. Helens, Kentucky
Hogan, Arthur J.	Phar	Darlington, Wisconsin
Hogan, T. F.	D. D. S.	Chicago, Illinois
Hogeland, Frank W.	Agr.	Lewiston, Montana
Hogshead, R.	M. D.	Second Creek, West Virginia
Hogstrom, Victor E.	D. D. S.	Berwyn, Illinois
Hollands, A.	M. D.	Chicago, Illinois
Hollar, Dollie	B. S.	Adair, Illinois
Holloway, Merle M.	Exp.	Gilson, Illinois
Holic, John	D. D. S.	Chicago, Illinois
Holm, Clyde W.	A. B.	Chester, Illinois
Holmes, Louis R.	Law	Chicago, Illinois
Holston, Lena F.	D. E.	Ambia
Holt, Harriet G.	Ed.	Spokane, Washington
Holtz, J.	D. D. S.	Chicago, Illinois
Holtzman, Abraham Max.	Law	Brooklyn, New York
Hook, Frank E.	Law	Odanah, Wisconsin
Hoover, Florence	D. E.	Goshen
Hoover, Marie	Music	Star City
Hopkins, Mary A.	Ed.	Tampico, Illinois
Hopkins, Stephen S.	D. D. S.	Clio, Michigan
Hopkins, W. B.	M. D.	Upper Tract, West Virginia
Hopper, Harry	Ed.	Blocher
Horn, Dorothy	Music	Ironton, Ohio
Horn, Edward F.	D. D. S.	Chicago, Illinois
Horn, Louise	A. B.	Valparaiso
Horne, Elton	B. S.	Bay Springs, Mississippi
Horne, Fannie Mae	D. E.	Bay Springs, Mississippi
Horne, G. E.	B. S.	Fitzgerald, Georgia
Horner, Helen	Ed.	Knox
Horton, Bessie M.	Phar	Wirt
Horton, Donald Lysle	D. D. S.	Calmar, Iowa
Horton, Fay	Ed.	Wartrace, Tennessee
Horton, William	M. T.	Summerfield, Ohio
Horwitz, Arthur I.	D. D. S.	Chicago, Illinois
Horwitz, Harry J.	D. D. S.	Denver, Colorado
Houghten, E. M.	M. D.	Cassville, Wisconsin
House, F. H.	M. D.	Woodrow, Florida
Houserman, Mrs. Vera	Music	McKeesport, Pennsylvania
Houvener, Harold L.	Ph. G.	Delton, Michigan
Howe, J. Eldon	Eng.	Dubuque, Iowa
Howell, Lottie E.	D. E.	Kiester, Minnesota
Howison, Allan D.	Phar	Blountville, Tennessee
Hrusa, Marie	D. D. S.	Chicago, Illinois
Hubbell, J. A.	M. D.	St. Cloud, Minnesota
Hubert, Herman N.	Special	Toronto, Canada
Hudson, Callie	Pri	Eberfield
Hudson, Ernest	D. D. S.	Minneapolis, Minnesota
Huete, Ernest	D. D. S.	Managua, Central America
Huffman, John	Special	Alderson, West Virginia
Huffman, M. H.	Law	Cropsey, Illinois
Huffman, Ruth	Pri	Chalmers
Hufford, Alvin Ray	A. B.	Amity, Pennsylvania
Hughes, Arch J.	B. S.	Wright, Tennessee
Hughes, Arthur G.	D. D. S.	Chicago, Illinois
Hughes, John E.	Law	Horwich, Connecticut
Hughes, Wayne Secrest	Phar	Elwood
Humke, Herbert	Law	Sturgeon Bay, Wisconsin
Hunsucker, Deets	Phar	Staples, Texas
Hunt, Leonard W.	C. Eng.	Peshigo, Wisconsin
Hunter, P. M.	M. D.	Chicago, Illinois
Huntington, Gordon	Eng.	Valparaiso
Huntress, Joseph W.	C. Eng.	Brockton, Massachusetts
Hurd, Mamie E.	D. E.	Rinard, Iowa
Hurdle, J. Y.	D. D. S.	Shelley, Idaho
Huseth, Leonard N.	Ed.	Minneapolis, Minnesota
Huseth, Olga F.	D. E.	Minneapolis, Minnesota
Hustad, Selma	Music	Madison, Wisconsin
Hutchinson, Wilda	Ed.	Elizabeth, Pennsylvania
Hyde, Frank T.	Agr	Valparaiso
Hyde, M. E.	Ed.	Westville
Imber, William J.	D. D. S.	Chicago, Illinois

Imlay, Frank L.	D. D. S.	Forest City, Iowa
Infante, Leopold	C. Eng.	Santiago, Chile, South America
Ingraham, William Hugh	A. B.	Henderson, Tennessee
Inks, Edith	Specail	Shelby, Nebraska
Inskeep, Thomas H.	M. D.	Fairfield, Illinois
Irby, Leola	Exp.	Holly Springs, Mississippi
Irwin, Edward B.	D. D. S.	Milton, West Virginia
Isenbarger, Otis	C. Eng.	Syracuse
Ishibashi, Shiro	D. D. S.	Seattle, Washington
Itzkowitz, M. I.	M. D.	Chicago, Illinois
Ivey, Walter L.	Phar.	Salisaw, Oklahoma
Izakowitch, Benjamin	D. D. S.	Chicago, Illinois
Jack, Andrew D.	Law.	Oak Park, Illinois
Jackson, H. A.	Exp.	Wellford, West Virginia
Jackson, Kate	Music.	Charleston, West Virginia
Jackson, Taylor	Ph. C.	Marion
Jacobs, Charles B.	Law.	Orwigsburg, Pennsylvania
Jacobs, Harry	D. D. S.	Chicago, Illinois
Jacobs, John F.	C. Eng.	Washburn, Wisconsin
Jahnke, Herbert F.	D. D. S.	Chicago, Illinois
James, Edgar	D. D. S.	Lawuim, Michigan
Jana, Franklin A.	D. D. S.	Chicago, Illinois
Janor, Michael M.	D. D. S.	Chicago, Illinois
Jardeleza, Magdalen	M. D.	Basolod, Philippine Islands
Jarvis, Edna	Music.	Clifton, Illinois
Jarvis, Gladys	Music.	Chrisman, Illinois
Jazelfczyk, Andrew M.	D. D. S.	Detroit, Michigan
Jenks, Ralph W.	Pre-M.	Henry, North Carolina
Jensen, M. A.	D. D. S.	Muskegon, Michigan
Jerde, I. C.	M. D.	Madison, Wisconsin
Jessee, Mary Louise	Music	Valparaiso
Jessee, Orpha M.	Music	Valparaiso
Jewell, Edna	Music.	Ray, North Dakota
Johns, Zula	Special	York, Nebraska
Johnson, Albin A.	D. D. S.	Lake City, Minnesota
Johnson, Anna	Ed	Groverton
Johnson, Mrs. Anna	Ed.	Caledonia, Michigan
Johnson, Archie P.	D. D. S.	Inglebrook, California
Johnson, E. H.	M. D.	Chicago, Illinois
Johnson, Elizabeth	Ed	Kempton
Johnson, Eric	A. Eng.	Rockford, Illinois
Johnson, G. E.	M. D.	Kadoka, South Dakota
Johnson, Gordon G.	D. D. S.	Chicago, Illinois
Johnson, Hughitt M.	D. D. S.	Whitehall, Wisconsin
Johnson, J. A.	D. D. S.	Chicago, Illinois
Johnson, John H.	Agr.	Everett, Massachusetts
Johnson, Rose	Exp.	Seneca, Illinois
Johnson, Sigfried	D. D. S.	Kulm, North Dakota
Johnson, Thomas I.	Special	Valparaiso
Johnson, W. E. J.	Pre-M.	Chicago, Illinois
Johnson, W. W.	D. D. S.	Chicago, Illinois
Johnston, J. H.	M. D.	Hampton, Iowa
Johnston, H. H.	M. D.	Hampton, Iowa
Johnston, James Homer	Phar.	Blake, Oklahoma
Johnston, Luther D.	M. D.	St. Marie, Idaho
Johnston, Thomas L.	Law	Valparaiso
Jolis, Solomon L.	Special	Portland, Oregon
Joliff, Otto S.	Law.	Bainville, Montana
Jones, Clifford M.	B. S.	Monroeville
Jones Dolan	Phar.	Thomasville, North Carolina
Jones, Earl R.	D. D. S.	Winnipeg, Canada
Jones, F. R.	D. D. S.	Kankakee, Illinois
Jones, George P.	Pre-M.	LaHarpe, Illinois
Jones, Mildred F.	Exp.	Ontario, Wisconsin
Jones, R.	A. B.	Washington, Kansas
Jones, R. Q.	M. D.	Valparaiso
Jones, W. E.	D. D. S.	Bemidji, Minnesota
Jones, W. E.	M. T.	Lynn Grove, Kentucky
Jones, W. S.	Law	Valparaiso
Jontz, Edna	Ed.	Silver Lake
Jordan, Anna	D. E.	Claremore, Oklahoma
Jozaites, Anton	D. D. S.	Chicago, Illinois
Jumer, John A.	D. D. S.	Pine City, Minnesota

Jung, Charles.....	D. D. S.....	Chicago, Illinois
Jungjohann, Anna.....	Music.....	Valparaiso
Jungjohann, Laura.....	Music.....	Valparaiso
Junod, John L.....	Exp.....	Greenville, Illinois
Jurissen, Paul E.....	D. D. S.....	Patterson, New Jersey
Juszczyk, Stanley G.....	A. Eng.....	Chicago, Illinois
Kadish, B.....	M. D.....	Chicago, Illinois
Kahn, Harry.....	D. D. S.....	Chicago, Illinois
Kaiser, Florence.....	D. E.....	Edon, Ohio
Kalk, Lester E.....	D. D. S.....	South Kaukauna, Wisconsin
Kamerzel, Kathryn.....	D. E.....	Naugatuck, Kentucky
Kamin, Alfred D.....	D. D. S.....	Chicago, Illinois
Kamin, Julius C.....	D. D. S.....	Chicago, Illinois
Kaminski, A.....	M. D.....	Reynoldsville, Pennsylvania
Kan, Charles P.....	D. D. S.....	Chicago, Illinois
Kane, M. B.....	D. D. S.....	Chicago, Illinois
Kane, William H.....	Law.....	Westfield, Massachusetts
Kanjorski, Bruno.....	A. B.....	Nanticoke, Pennsylvania
Kaplan, Max M.....	D. D. S.....	Chicago, Illinois
Kaplan, J.....	D. D. S.....	Chicago, Illinois
Kaplin, Israel I.....	D. D. S.....	Chicago, Illinois
Karalas, A. A.....	Law.....	Detroit, Michigan
Karbowski, J. B.....	Pre-M.....	Chicago, Illinois
Karkkanen, W. L.....	A. Eng.....	Brainerd, Minnesota
Karlen, Pearl B.....	A. B.....	Santa Fe, West Indies
Karol, Samuel.....	D. D. S.....	Chicago, Illinois
Karolewski, Edward S.....	D. D. S.....	Chicago, Illinois
Karr, Louis.....	Art.....	Hartford, Connecticut
Kasalevsky, Bohumie.....	D. D. S.....	Chicago, Illinois
Katz, Samuel.....	D. D. S.....	Chicago, Illinois
Katzman, Louis I.....	D. D. S.....	Philadelphia, Pennsylvania
Kaufman, Louis E.....	D. D. S.....	Chicago, Illinois
Kaufman, S. I.....	M. D.....	Chicago, Illinois
Keagy, Mabel.....	Pri.....	Grayville, Illinois
Keawn, L. D.....	B. S.....	Bay Springs, Mississippi
Kechichion, Matthew.....	Special.....	Racine, Wisconsin
Kee, C. B.....	Ph. G.....	Lafayette
Keene, Archie T.....	Ed.....	Valparaiso
Keener, Oris R.....	B. S.....	Onward
Keeping, P. E.....	B. S.....	Georgetown, P. E. I. Canada
Kegebein, W. C.....	M. D.....	Chicago, Illinois
Keigher, Hattie L.....	Ed.....	Kankakee, Illinois
Keigher, Ruth M.....	Music.....	Manteno, Illinois
Kelchner, Warren H.....	Law.....	Rohrsburg, Pennsylvania
Kellam, Cecil H.....	D. D. S.....	Sandwich, Illinois
Keller, A. Raymond.....	A. Eng.....	Mansfield, Louisiana
Keller, Ernest.....	Eng.....	Berwick, Pennsylvania
Keller, Henry.....	C. Eng.....	Chelsea, Massachusetts
Kelley, Edwin L.....	Phar.....	Logansport
Kelly, Cyril R.....	D. D. S.....	Morris, Illinois
Kelly, Worrall S.....	D. D. S.....	Blair, Wisconsin
Kelso, Halen.....	Art.....	Hadley, Pennsylvania
Kemal, Aehki.....	C. Eng.....	Constantinople, Turkey
Kenderis, George.....	Special.....	Kensington, Chicago, Illinois
Kenel, Robert.....	D. D. S.....	Porrentruy, Switzerland
Kennedy, Joseph.....	D. D. S.....	Chicago, Illinois
Kennett, Meryl.....	Pri.....	Colchester, Illinois
Kenoyer, Venessa.....	Music.....	Kentland
Kepler, L. S.....	Law.....	Valparaiso
Keplinger, E. B.....	A. Eng.....	Bainville, Montana
Keplinger, Roy F.....	D. D. S.....	Silver Lake
Kerr, S.....	M. D.....	Chicago, Illinois
Kersten, W. K.....	M. D.....	Detroit, Michigan
Kessler, A. H.....	Law.....	Red Bend, Illinois
Kessler, Edward F.....	Ph. C.....	Hecker, Illinois
Kettelhut, Armin W.....	D. D. S.....	Mononk, Illinois
Khan, Ameen.....	Agr.....	Washington, D. C.
Khan, Mirza M.....	M. D.....	Shiraz, Persia
Khan, S. Abol Fazl.....	Eng.....	Teheran, Persia
Khedroo, R. S.....	D. D. S.....	Chicago, Illinois
Kiang, T. Y.....	Law.....	Hamjang, China
Kiebler, Katherine L.....	Music.....	Joy, Kentucky
Kiefel, Anna B.....	Music.....	Lamar

Kieren, Beth.....	Exp.....	New Hampton, Iowa
Kievsky, George.....	D. D. S.....	Kiet, Russia
Kilgore, Hazel.....	Ed.....	Clarkshill
Kilham, C. D.....	A. Eng.....	Copenhagen, New York
Killam, Robert Sturgis.....	Ed.....	Franktown, Virginia
Kilpanen, Edward.....	Ed.....	Ely, Minnesota
Kiltz, Orma.....	Ed.....	Jonesboro, Arkansas
Kimble, F. O.....	D. D. S.....	Stryker, Ohio
Kimbrough, R. M.....	M. D.....	Chicago, Illinois
Kimmel, Frederick.....	D. D. S.....	Chicago, Illinois
King, Constance.....	Music.....	Pontiac, Michigan
King, F. W.....	Law.....	Seattle, Washington
Kintner, Curtis E.....	A. Eng.....	Defiance, Ohio
Kintz, Helen B.....	Music.....	Tripp, South Dakota
Kirby, John J.....	D. D. S.....	Miles City, Montana
Kirgis, Edward G.....	D. D. S.....	Chicago Heights, Illinois
Kirkpatrick, T. R.....	Law.....	Tucumcari, New Mexico
Kirmse, Herman.....	D. D. S.....	Marinette, Wisconsin
Kirsch, Elsie.....	D. E.....	Indianapolis
Kirschbaum, Maxwell.....	D. D. S.....	Norfolk, Virginia
Kirschner, Norman A.....	D. D. S.....	Chicago, Illinois
Kirtley, Howard W.....	Eng.....	Waldo, Arkansas
Kistler, Irene.....	Music.....	Winamac
Kitson, Hugh A.....	C. Eng.....	Syracuse
Klau, Joseph.....	D. D. S.....	Chicago, Illinois
Klaudt, Helmuth R.....	D. D. S.....	Minno, South Dakota
Klinkenberg, Paul.....	Phar.....	Kendallville
Klontz, George J.....	A. Eng.....	Auburn, Washington
Knapp, W. A.....	Ed.....	Red Bud, Illinois
Kneper, Leeta B.....	Exp.....	Edon, Ohio
Knight, H. E.....	M. D.....	Detroit, Michigan
Knoppe, C. P.....	D. D. S.....	Sulphurivell, Kentucky
Knowlton, Dallas.....	Eng.....	DePue, Illinois
Knox, Lloyd.....	Eng.....	Wyoming, New York
Kobrzynski, J. J.....	D. D. S.....	Chicago, Illinois
Koch, Anthony J.....	D. D. S.....	Prairie de Sac, Wisconsin
Kohl, W. E.....	D. D. S.....	Kilveen, Illinois
Koehler, Karol L.....	Law.....	Priceburg, Pennsylvania
Koehn, C. L.....	M. D.....	Red Lodge, Montana
Koenigsberg, Isadore.....	A. B.....	Chicago, Illinois
Koltvedt, A.....	A. Eng.....	New York, New York
Konietzka, John.....	Law.....	Anamoose, North Dakota
Konstantinopoulos, Nicholas Z.....	C. Eng.....	St. Louis, Missouri
Kooker, Fred F.....	Ph. C.....	Decatur
Korzenewski, J.....	M. D.....	Chicago, Illinois
Kostka, H.....	M. D.....	Chicago, Illinois
Kotynski, A.....	A. Eng.....	Poland
Kovaltchuk, W.....	C. Eng.....	New York, New York
Kowen, S. A.....	D. D. S.....	Chicago, Illinois
Kraemer, Andrew J.....	D. D. S.....	Clinton, Massachusetts
Kraemer, John H.....	D. D. S.....	Clinton, Massachusetts
Kraft, Chester T.....	Eng.....	Appleton, Minnesota
Krakovensky, Michael.....	Law.....	Olyphant, Pennsylvania
Kramer, F. R.....	M. D.....	Kings County, New York
Kramer, Louis J.....	D. D. S.....	Chicago, Illinois
Kramer, M. D.....	M. D.....	Chicago, Illinois
Kraschin, Walter.....	Special.....	Boston, Massachusetts
Krauser, Clarence A.....	D. D. S.....	Bushnell, Illinois
Kreegel, Richard.....	Eng.....	Miles, Texas
Kreeger, Hilbert.....	D. D. S.....	Chicago, Illinois
Kregel, Berthold.....	Music.....	Larsen, Wisconsin
Kreuzenstein, E.....	B. S.....	Bloomington, Illinois
Krippner, Keith F.....	Ed.....	Valparaiso
Krogan, Martin J.....	D. D. S.....	Manistee, Michigan
Kromshinsky, Eleanor.....	D. E.....	Michigan City
Kromsinsku, Lillian.....	Kind.....	Michigan City
Krongrade, Samuel.....	D. D. S.....	Chicago, Illinois
Krueger, Fred W.....	Special.....	Clear Lake, South Dakota
Kruell, Vera.....	D. E.....	Kouts
Krugmeier, C. E.....	M. D.....	St. Paul, Minnesota
Krupenevich, Anton O.....	Agr.....	Sarny, Volyn, Russia
Kruszynski, P. Paul.....	D. D. S.....	South Bend
Kujoshi, Kuratate.....	D. D. S.....	Ishida, Japan

Kull, Helen.....	D. E.....	Valparaiso
Kultus, T.....	M. D.....	Chicago, Illinois
Kunkel, Eva.....	Ed.....	Poneto
Kupelis, A.....	Music.....	Chicago, Illinois
Kupperman, Frances Y.....	Ed.....	Chicago, Illinois
Kurth, Clarence E.....	D. D. S.....	Chicago, Illinois
Kurtz, Florence M.....	D. E.....	New Haven
Kutcher, Joseph.....	C. Eng.....	Platter, South Dakota
Kuypke, E. H.....	Special.....	Francisville
Kuznetsky, Samuel H.....	D. D. S.....	Chicago, Illinois
Kyle, Frances.....	Ed.....	Walkerton
Kymmel, August.....	M. D.....	Cincinnati, Ohio
Labovich, Irvine E.....	D. D. S.....	Detroit, Michigan
LaForce, Pearl A.....	Special.....	Valparaiso
Laing, R. A.....	M. D.....	Hixon, Wisconsin
Laird, A. W.....	M. D.....	Springfield, Illinois
LaMaster, W. Clarence.....	Law.....	Mitchell
Lande, R.....	M. D.....	Chicago, Illinois
Landis, M. E.....	D. D. S.....	Homerville, Ohio
Lando, H.....	M. D.....	Detroit, Minnesota
Landsberger, Walter.....	Music.....	Valparaiso
Lane, Earey Douglas.....	B. S.....	Blakely, Georgia
Lane, Wilbur.....	D. D. S.....	Rantoul, Illinois
Laney, Thomas D.....	M. D.....	Dousman, Wisconsin
Langeving, Arthur William.....	C. Eng.....	Chicopee, Massachusetts
Langworthy, H. P.....	D. D. S.....	Augusta, Wisconsin
Lape, Charles.....	Ed.....	St. Peter, Illinois
Lappe, Maxwell M.....	D. D. S.....	Chicago, Illinois
Larkin, Edwin G.....	D. D. S.....	Sioux Falls, South Dakota
Larrew, J. W.....	C. Eng.....	Frederick, Oklahoma
Larrick, Lois.....	Ed.....	Darlington
LaRue, Harry.....		Forest City, Iowa
Lash, A. L.....	M. D.....	Chicago, Illinois
Laskov, Joseph M.....	D. D. S.....	Chicago, Illinois
Lattanzi, Alfred.....	Agr.....	Everett, Massachusetts
Lauraltis, Alphonsus.....	D. D. S.....	Chicago, Illinois
Lauritzen, Edras A.....	Special.....	Chicago, Heights, Illinois
Lauter, Fred.....	Special.....	Chicago, Illinois
Lauzer, F. A.....		Minneapolis, Minnesota
Lazovsky, S. M.....		Chicago, Illinois
Lavin, Mary E.....	D. E.....	West Fork
LaViolette, Samuel.....	Law.....	Brussels, Wisconsin
Law, Maurice F.....	Pharm.....	Elba, Alabama
Lawler, Isaac.....	Law.....	Jacksonville, Texas
Lawrence, Eda.....	Ed.....	Valparaiso
Lawson, Mrs. Harry.....	Special.....	Williamson, West Virginia
Lawson, J. C.....	M. D.....	Chicago, Illinois
Lawson, Lee W.....	Special.....	Williamson, West Virginia
Lawson, Lena.....	Special.....	Williamson, West Virginia
Lazaga, Leon M.....	Law.....	Santa Rosa, Philippine Islands
Leach, W. G.....	Special.....	Atwood, Tennessee
Leap, F. E.....	B. S.....	Sharpsville
Lechinski, Joseph.....	Pharm.....	Parsons, Kansas
Lee, G.....	Pre-M.....	LaGrange
Lee, Rufus W.....	D. D. S.....	Chicago, Illinois
Leeb, William A.....	D. D. S.....	Chicago, Illinois
Lefkoff, T. G.....	M. D.....	Chicago, Illinois
Legator, Benjamin.....	D. D. S.....	Chicago, Illinois
Leggett, Richard.....	D. D. S.....	Chicago, Illinois
Leibovitz, Max.....	D. D. S.....	Chicago, Illinois
Leininger, Herbert M.....	D. D. S.....	Chicago, Illinois
Leisring, Harry Clemens.....	M. T.....	Waterbury, Connecticut
Lembke, Margaret.....	Music.....	Valparaiso
Lemke, S. A.....	D. D. S.....	Kulm, North Dakota
Lemmer, Albert.....	D. D. S.....	Chicago, Illinois
Leo, J.....	M. D.....	Chicago, Illinois
Leonard, Phina.....	D. E.....	Valparaiso
Lepak, Andrew S.....	D. D. S.....	Duluth, Minnesota
Lepak, Michael K.....	D. D. S.....	Duluth, Minnesota
LeRoy, A. F.....	Ed.....	Valparaiso
LeRoy, Barbara.....	Pri.....	LaPorte
Lesinsky, Adam P.....	Music.....	Old Forge, Pennsylvania
Lester, R. L.....	C. Eng.....	Hale, Missouri

Ludwig, Mrs. Max.....	D. E.....	New Castle, Pennsylvania
Letson, Russell C.....	D. D. S.....	Beach, North Dakota
Levy, Reuben.....	D. D. S.....	Chicago, Illinois
Levi, Harvey H.....	D. D. S.....	Carrollton, Illinois
Levin, E.....	M. D.....	Indiana Harbor
Levin, Isidore M.....	D. D. S.....	Chicago, Illinois
Levin, Lazarus.....	D. D. S.....	Chicago, Illinois
Levin, Michael L.....	D. D. S.....	Chicago, Illinois
Levin, William.....	D. D. S.....	Chicago, Illinois
Levine, J.....	M. D.....	Chicago, Illinois
Levine, M.....	D. D. S.....	Chicago, Illinois
Levinson, John.....	D. D. S.....	Chicago, Illinois
Levinson, Rubin.....	D. D. S.....	Chicago, Illinois
Levinthal, D. H.....	M. D.....	Chicago, Illinois
Lewin, A.....	M. D.....	Chicago, Illinois
Lewis, Clifford J.....	Agr.....	Bingham Center, Pennsylvania
Lewis, Lloyd I.....	D. D. S.....	New Rockford, North Dakota
Lezama, Libert A.....	D. D. S.....	Port-of-Spain, Trinidad, B. W. I.
Liberfarb, Nathan D.....	D. D. S.....	Chicago, Illinois
Lichtman, B. W.....	M. D.....	Chicago, Illinois
Lieber, Philip.....	D. D. S.....	Chicago, Illinois
Lieberman, Louis.....	D. D. S.....	Chicago, Illinois
Liebers, Jacob.....	D. D. S.....	Chicago, Illinois
Liederman, M.....	M. D.....	Chicago, Illinois
Lieffers, H.....	M. D.....	Coopersville, Michigan
Lifschutz, Louis L.....	D. D. S.....	Chicago, Illinois
Lifschutz, Meyer.....	D. D. S.....	Chicago, Illinois
Lilley, A. Florence.....	D. D. S.....	Oak Park, Illinois
Limberger, Harry.....	Law.....	Oakland, California
Lind, Roy.....	M. D.....	Chicago, Illinois
Lindberg, A. V.....	M. D.....	Princeton, Michigan
Linder, John V.....	D. D. S.....	Chicago, Illinois
Lindley, N. E.....	Music.....	Greentown
Lindmeier, Edwin.....	D. D. S.....	Chicago, Illinois
Lindskog, Edwin.....	B. S.....	Geddes, South Dakota
Linstad, Esther.....	Ed.....	Chesterton
Linstad, Lina.....	Special.....	Argyle, Minnesota
Linstad, Maren.....	Special.....	Sims, North Dakota
Ling, L. L.....	Phar.....	Hebron
Lingo, W. B.....	Phar.....	Greenville, West Virginia
Linkus, Joseph.....	B. S.....	Chicago, Illinois
Lisman, Owyn L.....	Music.....	Vernon, Texas
Lishinsky, Reuben.....	C. Eng.....	Brooklyn, New York
Liss, John James.....	D. D. S.....	Chicago, Illinois
Little, Alfred W.....	Special.....	Prince George, British Columbia
Little, Ruby.....	Music.....	Cascilla, Massachusetts
Livingston, Abraham.....	Music.....	Los Angeles, California
Livingston, Tillie.....	Exp.....	Los Angeles, California
Livingstone, Clarence J.....	Eng.....	Whitensville, Massachusetts
Lokke, Arthur L.....	D. D. S.....	Wakouda, South Dakota
Loman, P.....	B. S.....	Chicago, Illinois
Lommel, Harry J.....	D. D. S.....	Farmington, Minnesota
London, George J.....	D. D. S.....	Chicago, Illinois
Long, Albert R.....	Law.....	Millersburg
Long, Mary Louise.....	Music.....	Sharpsville, Pennsylvania
Long, Raymond G.....	Special.....	Peru
Loomis, J. J.....	Pre-M.....	Chicago, Illinois
Loomis, Oliver.....	Music.....	Valparaiso
Lopp, Fredrica.....	D. E.....	Mt. Carmel, Illinois
Lorenz, Emamel.....	D. D. S.....	Chicago, Illinois
Loring, Bruce.....	Phar.....	Valparaiso
Louderback, Ruth.....	Ed.....	Valparaiso
Love, E. H.....	Ed.....	LaGrande, Oregon
Love, Ralph A.....	Phar.....	Scio, Ohio
Lovell, Gertrude.....	Phar.....	Fredericktown, Ohio
Lovett, Irene.....	Kind.....	Onarga, Illinois
Ludgin, Max.....	Ph. G.....	Hartford, Connecticut
Lukanis, Anthony.....	Music.....	Gary
Lund, W. J.....	M. D.....	Brainerd, Minnesota
Lundahl, B. J.....	D. D. S.....	Ishpeming, Michigan
Lundahl, Mary.....	Kind.....	Abbotsford, Wisconsin
Lunde, Mabel.....	Music.....	Marry, Iowa
Lurie, Benjamin.....	D. D. S.....	Chicago, Illinois

Luscher, Fritz.....	D. D. S.....	Muhen, Switzerland
Luttig, Alvena L.....	A. Eng.....	Richland Center, Wisconsin
Lutz, Mary.....	Music.....	New London, Wisconsin
Lynch, James W.....	D. D. S.....	Brooklyn, New York
Lyons, F.....	M. D.....	New London, Ohio
Loyna, Joseph C.....	A. B.....	El Reno, Oklahoma
Lysakowska, W. F.....	D. D. S.....	Chicago, Illinois
McArthur, C. H.....	M. D.....	Chicago, Illinois
McAtee, T. R.....	D. D. S.....	St. Louis, Missouri
McAuliffe, J. P.....	M. D.....	Chicago, Illinois
McCarrick, Leo F.....	D. D. S.....	Miners Mills, Pennsylvania
McCarthy, Daniel E.....	D. D. S.....	Bloomington, Illinois
McCarthy, John R.....	D. D. S.....	Franklin Park, Illinois
McCarty, Agnes.....	Ed.....	Donovan, Illinois
McCampbell, Coleman.....	Agr.....	Corpus Christi, Texas
McClain, Florence.....	Music.....	Sumner, Illinois
McClain, Frank.....	M. D.....	Medicine Lodge, Kansas
McClintic, Eunice.....	Pri.....	Monticello
McClure, Fred.....	C. Eng.....	Ensley, Alabama
McComachie, George.....	D. D. S.....	Pembina, North Dakota
McConnell, L. M.....	M. D.....	Clifton, New York
McConnell, Thomas R.....	D. D. S.....	Duluth, Minnesota
McCormick, Irwin.....	Law.....	Tomahawk, Wisconsin
McCormick, Lottie.....	Music.....	Tomahawk, Wisconsin
McCrary, G. W.....	M. D.....	Spokane, Washington
McCullough, Fred H.....	D. D. S.....	Milton, North Dakota
McCulloch, H. L.....	D. D. S.....	Golconda, Illinois
McDaniel, Irene.....	Ed.....	Boonville
McDaniel, Vshiti.....	Music.....	Uniontown, Pennsylvania
McDonald, F.....	M. D.....	Chicago, Illinois
McDonald, Harry L.....	D. D. S.....	Lake Geneva, Wisconsin
McDonald, Helen E.....	Music.....	Valparaiso
McDonald, John A.....	C. Eng.....	Broughton, Nova Scotia
McDonald, Opal.....	D. E.....	Monon
McDowell, George W.....	A. B.....	Edon, Ohio
McElhaney, Mable.....	A. B.....	North East, Pennsylvania
McElhiney, Alva.....	Ed.....	Princeton
McElhinney, Hattie.....	Ed.....	Stronghurst, Illinois
McElroy, Harold G.....	D. D. S.....	Chicago, Illinois
McEndree, Olive.....	A. B.....	New Waverly
McFadden, F. J.....	A. Eng.....	Hydettown, Pennsylvania
McGarry, F. J.....	Eng.....	Iona, Prince Edward Island, Canada
McGillicuddy, Clare.....	Ed.....	Valparaiso
McGinley, Ruth.....	Ed.....	Valparaiso
McGinnis, Edward M.....	Law.....	Hudson Falls, New York
McGowan, Mary.....	Ed.....	Manteno, Illinois
McGraw, Justin S.....	Law.....	Denver, Colorado
MacGregor, De.....	M. D.....	Marion
McGrew, L. D.....	Eng.....	Mishawaka
McGuire, Camilla.....	Special.....	Cincinnati, Ohio
McHugh, John F.....	M. D.....	Westfield, Massachusetts
McInerney, Annetta M.....	Ed.....	Manhony City, Pennsylvania
McIntosh, Irl.....	A. B.....	New Salisbury
McKean, H. J.....	D. D. S.....	Towanda, Pennsylvania
McKell, Rodney W.....	D. D. S.....	Spanish Fork, Utah
McKenzie, Stanley.....	D. D. S.....	Detroit, Michigan
McKeown, C. D.....	M. D.....	Abbyville, Kansas
McKeown, C. D.....	M. D.....	Chicago, Illinois
McKesson, Alva.....	Ed.....	North Liberty
McKibbon, Robert B.....	A. B.....	New York, New York
McKinley, Clyde.....	D. D. S.....	Elizabeth Illinois
McKinnon, Thomas.....	B. S.....	Detroit, Michigan
McLaughlin, Sarah.....	Ed.....	Hammond
McLean, Richard W.....	D. D. S.....	Princeton, Illinois
McMahon, Elmer E.....	Law.....	Lawler, Iowa
McMahon, Henry.....	Law.....	Lawler, Iowa
McMillin, Myron E.....	D. D. S.....	Green Bay, Wisconsin
McMullen, Charles.....	Ed.....	Hopkintown, Iowa
McMullen, Mrs. Charles.....	Music.....	Hopkintown, Iowa
McNees, Lucina.....	Pri.....	Bedford, Iowa
McRae, Ernest A.....	D. D. S.....	Winnipeg, Canada
McRae, Ione M.....	Music.....	Corinth, Mississippi
McRae, Mary E.....	Ed.....	Elizabeth

McRae, Harold D.	Ed.	Elizabeth
McWhinney, Irene	Music	Valparaiso
Maas, L. T.	D. D. S.	Mazappa, Minnesota
Mach, Benjamin W.	D. D. S.	Lesterville, South Dakota
Machamer, Roy	Ed.	Hartville, Ohio
Mack, Leslie G.	D. D. S.	Mazappa, Minnesota
Mackey, Lura	Ed.	Springfield, Ohio
Mackoff, I. A.	Law	Portland, Oregon
MacManus, Mrs. Robert F.	Music	New York, New York
Madden, Leonard V.	D. D. S.	Chicago, Illinois
Maddox, G. W.	B. S.	Humboldt, Tennessee
Maddox, H. V.	Ed.	Humboldt, Tennessee
Mader, A. E.	M. D.	Chicago, Illinois
Maetgold, C. J.	D. D. S.	Red Wing, Minnesota
Maganas, Leon	M. D.	East St. Louis, Illinois
Maggart, Bernice	Ed.	Silver Lake
Magland, Solomon A.	M. D.	Chicago, Illinois
Mahan, Allen H.	D. D. S.	Creston, Iowa
Mahan, Floyd B.	D. D. S.	Creston, Iowa
Main, Mrs. R. W.	B. D.	Rich Hill, Missouri
Maina, Ada	Music	Chicago, Illinois
Maina, Arthur A.	Music	Chicago, Illinois
Mains, O. L.	Exp.	Valparaiso
Makeever, Jane	Music	Fair Oaks
Malki, S.	C. Eng.	Damascus, Syria
Malmburg, V. A.	C. Eng.	Winthrop, Minnesota
Malpass, C. D.	B. D.	Currie, North Carolina
Maltezos, Stephen S.	C. Eng.	Fall River, Massachusetts
Maltman, Harry O.	Ed.	Clarksville, Missouri
Mangas, R. E.	B. D.	Union City
Manguerra, Mariano F.	C. Eng.	Santa Rosa, Philippine Islands
Manilow, Louis	D. D. S.	Chicago, Illinois
Manly, R. B.	Music	Saskatoon, Canada
Manly, R. C.	Special	Saskatoon, Canada
Manta, George L.	C. Eng.	Chicago, Illinois
Manzanero, Fortunato	M. D.	St. Tomas, Philippine Islands
Marasigan, A. M.	M. D.	Bal-boc, Philippine Islands
Marble, M.	M. D.	Chicago, Illinois
Maziner, M. J.	D. D. S.	Bowling Green, Ohio
Marquart, Gretchen	Music	Valparaiso
Marsh, J.	M. D.	Chicago, Illinois
Marsh, Sherman	Law	Pine River, Wisconsin
Marshall, J. A.	D. D. S.	Witt, Illinois
Marshall, Mary	B. S.	Franklin Square, Ohio
Marshall, Nathan M.	D. D. S.	Witt, Illinois
Marston, Fred J.	Special	Valparaiso
Martin, D.	M. D.	Donaldsonville, Louisiana
Martin, Harry	B. D.	Canton, Ohio
Martin, Irma	Pri.	Wallingford, Kentucky
Martin, J. Bernelle	Special	Poseyville
Martin, Josephine	Pri.	Bradley, Illinois
Martin, M.	B. S.	Uniontown, Pennsylvania
Martin, Moses J.	Special	Raymond, Illinois
Martini, W. C.	M. D.	Chicago, Illinois
Martineau, Marius M.	D. D. S.	St. John, North Dakota
Mase, Russell, E.	Ed.	Bolivar, Ohio
Mason, Harry D.	D. D. S.	Manville, Illinois
Mason, William	C. Eng.	London, England
Massey, Benjamin R.	Ed.	Kinston, Oklahoma
Massey, Warren	M. D.	Lott, Texas
Mathis, Rudolph	Agr.	
Matney, Clifton	Ed.	Rock Camp, Ohio
Mateo, Louis Robert	M. D.	Muskegon, Michigan
Matthews, Evelyn	Pri.	Marysville, Idaho
Matthews, Grace A.	D. E.	Toledo, Ohio
Mauck, C. W.	Ed.	New Middletown
Maurer, Alan E.	Law	Orwigsburg, Pennsylvania
Mavity, Earle	Eng.	Valparaiso
Maxon, E. D.	M. D.	Wolworth, Wisconsin
May, H. F.	M. D.	Chicago, Illinois
Mayer, Octawa	Music	Boonville
Mayes, Florence	Ed.	New Buffalo, Michigan
Mayle, D. L.	Ed.	Fillmore

Means, G. C.	Ph. C.	Saybrook, Illinois
Meehan, Timothy E.	C. Eng.	Springfield, Massachusetts
Medel, Rudolpho A.	Law	Bacolod, Philippine Islands
Medina, A.	Eng.	Lasag, Philippine Islands
Medley, S. R.	M. D.	Sextonville, Wisconsin
Megehee, Warren	Music	Carriere, Mississippi
Meister, E. E.	M. D.	Chatsworth, Illinois
Melcher, Herbert	Ed.	Aberdeen, South Dakota
Mendoza, Leroy	D. D. S.	Piper City, Illinois
Mendralski, Walter J.	Phar.	Chicago, Illinois
Meredith, Erma	Music	Mentone
Merkel, Paul	C. Eng.	New York, New York
Merrihew, Curtis Boyd	D. D. S.	Salt Lake City, Utah
Merrill, Wendell	D. D. S.	Smithfield, Utah
Mertes, Edward	D. D. S.	Chicago, Illinois
Merwin, Miles	B. S.	Frederiksted, St. Croix, D. W. I.
Mespell, Arthur	Agr.	San Bernardino, California
Metcalf, Kathryn	Ed.	Lowell
Metcalf, Lotus	Music	Lowell
Meyer, Fred	D. D. S.	Gilman, Illinois
Meyer, H.	Pre-M.	Olympia, Washington
Meyers, George	Phar.	Knox
Meyerson, S.	M. D.	Chicago, Illinois
Meyners, H. A.	Phar.	New York, New York
Middleton, George M.	Ed.	Jearaldstown, Tennessee
Midjaas, Theodore	C. Eng.	Edmore, North Dakota
Mierzejewski, Max F.	Eng.	Indiana Harbor
Mikelas, George W.	D. D. S.	Cedar Rapids, Iowa
Mikelas, Lumir M.	D. D. S.	Cedar Rapids, Iowa
Miller, Alta Evelyn	Pri.	LaPorte
Miller, A. L.	M. D.	Plainview, Nebraska
Miller, Arthur G.	B. S.	Gilman, Illinois
Miller, Benjamin H.	D. D. S.	Chicago, Illinois
Miller, Cecil J.	D. D. S.	Butler
Miller, Chris.	Ph. C.	Brodhead, Wisconsin
Miller, Christian	D. D. S.	Chicago, Illinois
Miller, E. A.	M. D.	Cobb, Wisconsin
Miller, E. B.	Eng.	Stevens Point, Wisconsin
Miller, Ernest G.	D. D. S.	Sandwich, Illinois
Miller, E. H.	M. D.	Leonard, Illinois
Miller, Mrs. E. H.	B. S.	Royal Center
Miller, Gale W.	A. Eng.	Detroit, Michigan
Miller, Henry	C. Eng.	Plainfield, New Jersey
Miller, Henry	Law	Cochocton, New York
Miller, Henry J.	Music	Wakefield, Michigan
Miller, H. Ralph	Law	Lebanon, Missouri
Miller, I.	Pre-M.	Chicago, Illinois
Miller, Irwin C.	D. D. S.	Ewing, Missouri
Miller, Jesse Deborah	Exp.	Amboy
Miller, Julius	D. D. S.	Chicago, Illinois
Miller, Lloyd C.	Special	Keo, Arkansas
Miller, M. Hazel	Ed.	Medaryville
Miller, Olen C.	Ed.	Iuka, Mississippi
Miller, Pearl	D. E.	New Carlisle
Miller, Russell	D. D. S.	New Carlisle
Miller, Velma	Music	Valparaiso
Miller, Vermille	A. Eng.	Collins, Mississippi
Miller, Virgil H.	Special	Greentown
Mincer, Gladys M.	D. E.	Elkhart
Miner, Alberta	Music	Valparaiso
Miner, Jennie Belle	Music	Valparaiso
Miner, William L.	A. Eng.	Owosso, Michigan
Minner, Alfred G.	D. D. S.	Chicago, Illinois
Mioduszewski, Sturnin	D. D. S.	Detroit, Michigan
Mistica, Santos H.	Law	Iloilo, Laguna, Philippine Islands
Mitchell, G. D.	Pre-M.	Chicago, Illinois
Mitchell, H. L.	Eng.	Shreveport, Louisiana
Mitchell, William	D. D. S.	Mission City, Canada
Mithing, J. L.	Special	Philadelphia, Mississippi
Mitman, Floyd B.	M. D.	Mulberry
Mitzger, Hutzal	Agr.	Moville, Iowa
Moles, J.	M. D.	Chicago, Illinois
Montgomery, Mrs. Sophia	Ed.	Little Rock, Arkansas

Mooney, Paul C.	Music	Philo, Illinois
Moore, Edward B.	D. D. S.	Springfield, Illinois
Moore, George	Special	Truman, Arkansas
Moore, Nana J.	Music	Mayfield, Kentucky
Moorman, Carrie	Ph. C.	Rushville
Morales, Edward	C. Eng.	Havana, Cuba
Morgan, Thomas J.	Special	DeRidder, Louisiana
Morin, Alvida J.	Special	Aberdeen, South Dakota
Morns, George	Law	International Falls, Minnesota
Morris, George E.	M. D.	Somerville, Massachusetts
Morris, Hazel	D. E.	Glenwood
Morris, Jessie Rea	D. E.	Galveston, Texas
Morris, Roland L.	Ed.	Glenwood
Morris, Ruth	Music	Valparaiso
Morris, William Lee	A. B.	Goldsboro, North Carolina
Morrison, Kenneth Lee	M. T.	Owensboro, Kentucky
Morrison, Ralph Edwin	A. B.	Rogers, Arkansas
Morrison, R. J.	M. D.	Chicago, Illinois
Morrison, Thomas C.	M. D.	Emporia, Pennsylvania
Morrisey, Burke C.	Music	Harrison, Michigan
Morrow, Ruth	Pri.	Hebron
Northland, William E.	A. Eng.	Valparaiso
Morton, Elma B.	B. S.	Warren, Ohio
Morton, Francis W.	Exp.	Audubon, Minnesota
Mortrude, Melvino	D. D. S.	Luverne, Minnesota
Moser, Lloyd G.	Ed.	Smithfield, Pennsylvania
Mosher, Fern	D. E.	Highmore, South Dakota
Mosher, M. A.	M. T.	
Moten, Otto	Ed.	Western Grove, Arkansas
Moten, Walter C.	Ed.	Western Grove, Arkansas
Mott, N. G.	M. D.	Albany, Georgia
Mott, W. G.	M. D.	Albany, Georgia
Muldrow, Nell	Exp.	Shelbyville, Missouri
Mulford, Ariel B.	Ph. C.	Kennedy Heights, Ohio
Mullendore, Lella	Art	Franklinville
Mullineux, L. G.	D. D. S.	Chicago, Illinois
Murphy, Glenn Edward	D. D. S.	Roberts, Illinois
Murphy, O. H.	M. D.	Abingdon, Illinois
Murray, C.	B. S.	McConnell, Tennessee
Murray, Claude C.	Agr.	McConnell, Tennessee
Murray, Eugene F.	C. Eng.	Omaha, Nebraska
Musph, A.	D. D. S.	Holland
Mussar, C. M.	D. D. S.	Elkins, West Virginia
Muster, Deforest	Special	Valparaiso
Mutchenbacher, Cora	Music	Parry Sound, Canada
Muyderman, A. W.	D. D. S.	Utrecht, Holland
Myers, Helen Montrose	D. E.	Ashland, Oregon
Myers, Paul	Law	Logansport
Nagle, John W.	M. D.	Freeport, Illinois
Napper, Mrs. Willis W.	Special	South Bend
Narbutt, V. S.	M. D.	Chicago, Illinois
Nash, Earl Napoleon	Law	Brockton, Massachusetts
Nathan, David	D. D. S.	Chicago, Illinois
Neal, J. Velma	Phar.	Fort Smith, Arkansas
Nechtow, Nathan	D. D. S.	Chicago, Illinois
Needham, Ruth M.	D. E.	Wolcottville
Neely, John Paul	Phar.	Rayland, Ohio
Neilson, W. J.	D. D. S.	Ottawa, Canada
Neisses, J. V.	B. D.	Huron, South Dakota
Neister, Gail	Special	Los Angeles, California
Nell, F. G.	Ed.	Royal Centre
Nelson, Bertha	D. E.	Grayville, Illinois
Nelson, E. G.	D. D. S.	Menominee, Michigan
Nelson, Emelia	Pri.	Groverton
Nelson, G. P.	Eng.	Portland, Oregon
Nelson, George W.	D. D. S.	Marinette, Wisconsin
Nelson, Joseph	D. D. S.	Frankfort, Michigan
Nelson, Lulu	Art	Tefft
Nelson, Melvin O.	D. D. S.	Sioux Falls, South Dakota
Nelson, Ocus	Phar.	Ripley, Tennessee
Nesbit, Orval I.	B. S.	Albion
Nesheim, Adolph	D. D. S.	Mt. Horeb, Wisconsin
Netzer, Esther	Music	Lena, Wisconsin

Neubauer, H. J.	M. D.	Elkton, Minnesota
Neumann, A. J.	M. D.	Detroit, Michigan
Nevins, Lucille Seville	Phar.	Buffalo, New York
New, Charlotte	Pri.	Chicago, Illinois
Newsom, Herman	B. S.	LeRoy, West Virginia
Nex, H. A.	M. D.	Detroit, Michigan
Nibarger, Jessie	Ed.	Joplin, Missouri
Niblick, J. S.	M. D.	Decatur
Nicholas, Nicholas P.	M. D.	Chicago, Illinois
Nichols, James C.	Law.	Ashland, Alabama
Nichols, Donald S.	D. D. S.	Chicago, Illinois
Nicholls, Kenneth E.	D. D. S.	Osceola, Michigan
Nicks, J. S.	Phar.	Cumberland Furnace, Tennessee
Niedermeyer, W. C.	D. D. S.	Bloomington, Illinois
Niemeyer, L.	M. T.	St. Paul, Minnesota
Niemi, Waterman A.	D. D. S.	Fitchburg, Massachusetts
Nienstedt, Franklin	D. D. S.	Chicago, Illinois
Nirider, Mary	Music.	Farina, Illinois
Noble, Charles	Ed.	Florence
Noell, Dallas	Ed.	Lexington
Noetzel, Ruth Hazel	Music.	Greenwood, Wisconsin
Noje, Edward Yohei	D. D. S.	Fiekushoma, Japan
Nolan, Raymond	Art	Valparaiso
Noland, Neva	Ed.	Russellville
Norconk, W. H.	M. D.	Bear Lake, Michigan
Nordquist, Toddes	D. D. S.	Akely, Minnesota
Norman, Edith	Ed.	Peotone, Illinois
Norquist, Bert E.	D. D. S.	Brainerd, Minnesota
Norton, Martha	Music.	Crystal Springs, Mississippi
Norvelle, C. H.	Law.	White Plains, Kentucky
Norys, S. J.	M. D.	Chicago, Illinois
Novak, Barney	D. D. S.	Chicago, Illinois
Novoa, Ramon	Law.	Kalamazoo, Michigan
Novy, J. J.	C. Eng.	New York, New York
Nylander, E. C.	M. D.	Dassel, Minnesota
O'Boyle, David K.	B. D.	Glasgow, Scotland
O'Brien, Leo	Law.	Eureka, Missouri
O'Conner, Clarence H.	Law.	Springfield, Illinois
O'Conner, L.	Pre-M.	Chicago, Illinois
O'Conner, P.	M. D.	Grand Rapids, Michigan
O'Dell, Harlan	D. D. S.	Allegan, Michigan
O'Dell, R. O.	M. D.	Pearl, West Virginia
O'Donnell, Irene	A. B.	Valparaiso
Ogle, H.	M. D.	Chicago, Illinois
Ogle, Harold D.	D. D. S.	Westfield, Wisconsin
Olfson, George R.	D. D. S.	Sheridan, Wisconsin
Oloff, Meyer	D. D. S.	Chicago, Illinois
Oliver, L. B. E.	M. D.	Sigourney, Iowa
Ols, Pearl	Ed.	Crown Point
Olsen, Clarence E.	D. D. S.	Chicago, Illinois
Olson, Carl G.	D. D. S.	Ishpeming, Michigan
Olson, Charles	M. D.	Tryonville, Pennsylvania
Olthoff, Otto G.	A. B.	Emery, South Dakota
O'Neal, E. A.	M. D.	Clifty, Tennessee
Onion, Ruby Ruth	D. E.	San Antonio, Texas
Oppen, Jacob E.	D. D. S.	Chicago, Illinois
Opperman, Erwin W.	A. B.	Strawberry Point, Iowa
Oracion, Manual M.	Music.	Boac, Philippine Islands
Orear, Irvin H.	Eng.	Berkeley, California
Oren, Merlin J.	D. D. S.	Lewiston, Illinois
Orr, Estle F.	Ed.	Sheldon
Ortega, J.	M. D.	Columbia, South America
Orzynski, P.	M. D.	Chicago, Illinois
Osborne, Edw. G.	B. D.	Valparaiso
Osborn, Mrs. G. Edwin	Exp.	Valparaiso
Osouski, W. T.	D. D. S.	Eden Centre, New York
Osterlund, Carl	D. D. S.	Orabias, Finland
Oswald, Carl	Law.	Hollenberg, Kansas
Ott, Lucinda	Music.	Green Lake, Michigan
Ottman, O.	B. S.	Hamilton, Ohio
Overholt, Edwin M.	D. D. S.	Mt. Pleasant, Pennsylvania
Ovitsky, Peter	D. D. S.	Chicago, Illinois
Owens, T. Emmett	Eng.	Macedon, New York

Pacer, Stanley J.	D. D. S.	Chicago, Illinois
Padgett, Kathryn	Music	Tennysen
Padt, Mrs. Anna Marie	D. D. S.	Amsterdam, Netherlands
Padt, F. J.	D. D. S.	Amsterdam, Netherlands
Palm, Florence	D. E.	Michigan City
Palmer, Mark	Music	Valparaiso
Pangerl, C.	M. D.	Katisbon, Germany
Papantonopulos, C. G.	D. D. S.	Filixtra, Greece
Papasian, H. M.	M. D.	Worcester, Massachusetts
Park, Cecil R.	B. S.	Nickolson, Pennsylvania
Park, Eunice	D. E.	Brook
Parker, Inez	Music	Valparaiso
Parker, Isaac	C. Eng.	Chicago, Illinois
Parker, James H.	B. S. in Chem.	New York, New York
Parker, Roscoe W.	Agr.	Hanover, Illinois
Parker, S. L.	C. Eng.	Athens, Ohio
Parkerson, Pearle	Music	Sonora, Texas
Parks, Myra	Music	Putnamville
Parks, Samuel R.	Ed.	Chatham, Massachusetts
Parowski, V. B.	M. D.	Chicago, Illinois
Parphenov, Stephen	Law	Vistka, Russia
Par, Willis	D. D. S.	Winona, Minnesota
Parsons, E. A.	M. D.	Ripley, West Virginia
Parsons, H. E.	M. D.	Crane, Missouri
Pasarella, C.	Pre-M.	Chicago, Illinois
Patrick, R. A.	Ph. C.	Tifton, Georgia
Patrick, Thomas	Eng.	Waupun, Wisconsin
Patterson, Clyde Alva	Law	Huntsville, Arkansas
Patterson, Mrs. Gilbert	Music	Tampico, Mexico
Patton, Archibald K.	Phar.	Western Grove, Arkansas
Patton, Crafton	M. T.	Hot Springs, Arkansas
Patton, Geraldine	Special	Valparaiso
Paul, Elizabeth	Pri.	Cabot, Pennsylvania
Pavia, M.	M. D.	Sebastian, Porto Rico
Pawalski, Walter J.	Law	Whitehouse, Ohio
Pawlowski, Bernard B.	D. D. S.	Chicago, Illinois
Faxman, E. A.	D. D. S.	Provo, Utah
Paxson, Irpeel J.	Special	Center Ridge, Arkansas
Paxson, Joseph I.	Ph. C.	Altoona, Pennsylvania
Payne, Charles B.	Agr.	Gibson, Tennessee
Payne, Oliver C.	C. Eng.	Wading River, New York
Pearce, Anna	D. E.	Lowell
Pearson, Edna	Ed.	Brinkley, Arkansas
Pederson, C. B.	M. D.	Chicago, Illinois
Peederbach, James	D. D. S.	Amsterdam, Netherlands
Peek, C. N.	M. D.	Farmersville, Texas
Peep, Henry E.	Ed	Avilla
Pelegrina, M.	M. D.	Aguadilla, Porto Rico
Pence, H. M.	Law	Pence
Pendleton, W. L.	A. Eng.	Valparaiso
Penn, E. B.	B. S.	St. Cloud, Florida
Peregrine, Irving	Special	Valparaiso
Pergament, Arthur	Phar.	Genitcheck, Tawrichecko
Perevia, Anthony C.	Agr.	Paia, Hawaii
Perigo, Alma L.	Ed	Attica
Perkins, Beatrice	Ed	Bourbon
Perry, Fern	Special	Hamilton, Nebraska
Perttinen, Mrs. Jennie	Music	Wakefield, Michigan
Pesch, Homer H.	D. D. S.	Mazeppa, Minnesota
Peterson, Anna L.	Music	Jamestown, North Dakota
Peterson, Bernhardt Henry	Special	Fargo, North Dakota
Peterson, George	M. T.	Bergenfield, New Jersey
Peterson, Harold G.	A. Eng.	Redwood Falls, Minnesota
Peterson, Perry S.	Special	Pollack, South Dakota
Peterson, Philip E.	Special	Wetoskeioin, Canada
Petry, Benita B.	Ed	Medaryville
Pfeiffer, E. N.	M. D.	Byron Center, Michigan
Pfrong, Margaret	Music	Rochester, Minnesota
Phegley, Muriel M.	Ed	LaCrosse
Phegley, Rosetta	B. S.	Pexhoma, Oklahoma
Phelps, Martha I.	Ed	Lexington, Massachusetts
Phillee, Esther	D. E.	Valparaiso
Phillips, Abraham	D. D. S.	Chicago, Illinois

Phillips, H. Arnold	Law	Lake City, Minnesota
Phipps, Ruth	Music	Cherokee, Iowa
Pickering, Fern	Ed	Claypool
Pickrell, Jacob Elbert	Phar	Middlebury
Pierce, H. C.	Ed	Chicago, Illinois
Pierce, John F.	A. B.	Holly, Colorado
Pierce, Lester H.	Law	Trenton, New Jersey
Pierce, Margaret	Exp.	Ridgefarm, Illinois
Pierce, Oliver B.	Special	Holly, Colorado
Pierce, Reba C.	D. E.	LeGrand, Iowa
Figurski, Samuel	Agr.	Lipovka, Russia
Pintozi, C.	M. D.	Chicago, Illinois
Pisha, Beatrice	D. D. S.	Chicago, Illinois
Plette, Bernice I.	B. S.	Altoona, Pennsylvania
Plette, G. W. Lloyd	Ph. C.	Altoona, Pennsylvania
Plowman, Delber	Law	Douds Leando, Iowa
Pocan, Libbie	Music	Casco, Wisconsin
Podolsky, Harry	D. D. S.	Chicago, Illinois
Poe, W. S.	Ed	Valparaiso
Poer, Irene	Music	Morristown
Pointer, Ethel	Music	Belleville, Kansas
Poland, F. E.	D. D. S.	Waupaca, Wisconsin
Polischuck, I.	M. D.	Chicago, Illinois
Polivinick, Zecherina	A. Eng.	Brooklyn, New York
Pollice, A. L.	D. D. S.	Chicago, Illinois
Pomazal, John J.	D. D. S.	Chicago, Illinois
Pomrenze, H.	M. D.	Chicago, Illinois
Ponton, Joseph	Law	Ashkum, Illinois
Pool, Rollo W.	B. S.	Valparaiso
Pope, Jesse A.	D. D. S.	Henrietta, Texas
Porras, Lorenzo P.	Law	Jaro, Philippine Islands
Ports, Frances	Art.	Milledgeville, Illinois
Post, Frank	Law	Hudsonville, Michigan
Postiglione, Louis	D. D. S.	Chicago, Illinois
Potter, B. H.	M. D.	Waterville, Kentucky
Potter, Edna LaVerna	D. E.	Valparaiso
Potucek, Joseph C.	D. D. S.	Chicago Heights, Illinois
Powell, Betty	D. E.	Scranton, Pennsylvania
Powell, Roscoe S.	Phar.	Liberty, Kansas
Pratt, Edith M.	D. E.	Galveston
Pratt, Hazel, L.	Music	Cambridge, Illinois
Prekel, P. H.	Special	Waterloo, Iowa
Press, Fritz	Phar.	Winside, Nebraska
Preston, J. C.	M. D.	Smalley, Kentucky
Price, Grady D.	B. S. in Chem.	DeQuincy, Louisiana
Price, Leo	M. D.	Mattoon, Illinois
Prickett, Lawrence	Ph. C.	Trinity, Kentucky
Priest, Margaret	D. E.	Winchester, Illinois
Priest, Ruth	D. E.	Winchester, Illinois
Prince Charles M.	D. D. S.	Chicago, Illinois
Probstein, J.	M. D.	Chicago, Illinois
Prosterman, F.	M. D.	Chicago, Illinois
Pryor, Chester O.	B. S.	Newton, Illinois
Przygocki, Constantine G.	M. D.	Chicago, Illinois
Psychogios, Constantine G.	C. Eng.	Chicago, Illinois
Pulliam, John Raymond	Agr.	Glenarm, Illinois
Purdon, Leslie B.	D. D. S.	Wahpeton, North Dakota
Purviz, George	D. D. S.	Beach, North Dakota
Pusch, J.	M. D.	Highland, Wisconsin
Quant, Leslie	D. D. S.	Chicago, Illinois
Quick, Mabel Frances	B. S.	St. Louis, Missouri
Quick, Maynard H.	Music	Pontiac, Michigan
Quilico, Anton	Phar.	Tyrea, North Italy
Quinion, Harold	Special	Bristol, Connecticut
Quint, Louis	D. D. S.	Chicago, Illinois
Rabin, Nathan	D. D. S.	Chicago, Illinois
Radeff, I. M.	M. D.	Sofia, Bulgaria
Radomski, L.	Pre-M.	Chicago, Illinois
Raider, Amelia	Pri	Chrisney
Raihala, William	B. S.	Virginia, Minnesota
Rainey, David M.	D. D. S.	Salt Lake City, Utah
Raklewicz, Joseph	D. D. S.	Plymouth, Pennsylvania
Rakow, Samuel	D. D. S.	Wheatland, North Dakota

Rambo, Philip H.	B. S.	Seattle, Washington
Randall, Clifford	Phar.	Port Jefferson, New York
Randleman, Dollie	D. E.	Rector, Arkansas
Randolph, Neva	Ed.	Halstead, Kansas
Rann, R. C.	M. T.	Perry, Michigan
Rask, Selmer	Law	Sisseton, South Dakota
Rasmussen, John	D. D. S.	Chicago, Illinois
Rousch, A. F.	B. S.	Paris, Texas
Ravasi, A.	M. D.	Chicago, Illinois
Ray, Ellen M.	A. B.	New Erce, Michigan
Ray, Helen M.	D. E.	Winnebago, Illinois
Raycraft, Mrs.	Music	Hersher, Illinois
Rayson, Edwin H.	M. D.	Holyoke, Massachusetts
Redden, Calvin C.	Law	Hinton, West Virginia
Reddick, R. C.	Agr.	Lewistown, Montana
Redman, Noble R.	M. T.	Oakland City
Redman, S. M.	M. D.	Sheboygan, Michigan
Redmond, John F.	Law	Terre Haute
Reed, Chill T.	Law	Colliers, West Virginia
Reed, Ethel Ford	Music	Franklin, Massachusetts
Reed, Hannah	Law	Monessen, Pennsylvania
Reed, James C.	Law	Fort Smith, Arkansas
Reese, Leila	Ed	Chesterton
Reeves, James M.	Law	Fulton, Kentucky
Reeves, O. C.	Ed.	Fulton, Kentucky
Reeves, Mrs. O. C.	Music	Fulton, Kentucky
Regent, Paul B.	D. D. S.	Chicago, Illinois
Reich, S.	M. D.	Chicago, Illinois
Reid, Harry A.	D. D. S.	Washington, Iowa
Reid, M. H.	Eng.	Franktown, Virginia
Reider, Charles H.	C. Eng.	Valparaiso
Reilly, John J.	D. D. S.	Chicago, Illinois
Reingold, Morris	M. D.	New York, New York
Reinsch, F.	M. D.	Chicago, Illinois
Reithel, O. C.	D. D. S.	Sebewaing, Michigan
Rembe, B. C.	M. D.	Lincoln, Nebraska
Remmers, Herman	Ed.	Burlington, Iowa
Rennie, T. W.	M. D.	Chicago, Illinois
Rest, Morris D.	D. D. S.	Chicago, Illinois
Reuber, R. N.	M. D.	Hanover, Ontario, Canada
Reno, Bessie	Music	Astoria, Illinois
Reynolds, D. P.	Law	Troy, Tennessee
Reynolds, Ira W.	M. T.	Plymouth
Reynolds, Mrs. Virginia S.	Law	Troy, Tennessee
Reynolds, Mary	Ed	Attica
Rheinish, Saul	C. Eng.	
Rice, Eugene	Law	Union City, Tennessee
Rice, Wallace D.	D. D. S.	Carlisle, South Carolina
Rice, Walter A.	Law	LaPorte
Richards, Roy	Agr.	Lena, Illinois
Richards, Roy T.	Agr.	Lena, Illinois
Richardson, Francis T.	D. D. S.	Burlington, Wisconsin
Richardson, Stanley A.	B. S.	St. Joseph, Missouri
Richie, Fred A.	Ed.	Bloomsburg, Pennsylvania
Riddick, Rolalnd C.	Agr.	Lewiston, Montana
Riddick, T. P.	Ed.	Troy, Tennessee
Riddick, Mrs. T. P.	Pri.	Troy, Tennessee
Riddlesbarger, Rufus	C. Eng.	Mapleton, Iowa
Ridgway, Ruth	Music	Titusville, Pennsylvania
Riffkind, Abraham J.	D. D. S.	Chicago, Illinois
Rile, Charles M.	D. D. S.	Beatrice, Nebraska
Riley, Chester A.	D. D. S.	Iditarod, Alaska
Riley, M. M.	Law	Dallas, Texas
Ringlee, Emil F.	D. D. S.	Binford, North Dakota
Riordan, H. C.	M. D.	Macomb, Illinois
Ritch, C. O.	B. S.	Odum, Georgia
Rivera, Alfredo H.	M. D.	San Fernando, Philippine Islands
Roberts, Mary Louise	Music	Blandinsville, Illinois
Roberts, Byron	Ed.	Knox
Roberts, Hugh E.	D. D. S.	Chicago, Illinois
Roberts, R. A.	Ed.	Bruce, South Dakota
Robertson, C. M.	Ed.	Berlin, Illinois
Robertson, James P.	D. D. S.	Washburne, Illinois

Robertson, R. M.	Special	Valparaiso
Robertson, William T.	C. Eng.	Winchendon, Massachusetts
Robeson, John M.	B. S.	Bogota, Tennessee
Robinson, J. Colville	C. Eng.	Paia, Hawaii
Robinson, Jonathan L.	Music	Whitlash, Montana
Robinson, Joseph	D. D. S.	Chicago, Illinois
Robinson, May	D. E.	Harriman, Tennessee
Robinson, R. Clarence	D. D. S.	Farmington, Utah
Robinson, V.	M. D.	New York, New York
Robison, Kenneth H.	D. D. S.	Chicago, Illinois
Roche, N. J.	M. D.	Walford, Canada
Roche, W. Henry B.	Special	Old Forge, Pennsylvania
Roddy, K. P.	B. S.	Clinton, Louisiana
Rodgers, Myrtle	Exp.	Jena, Louisiana
Rodin, Barney	D. D. S.	Chicago, Illinois
Rodriguez, Gustavo	C. Eng.	Santiago, Chili, S. A.
Roessler, Louise	Music	Valparaiso
Rogge, Martha	D. E.	Chicago, Illinois
Rohow, F. M.	M. D.	Ashland, Wisconsin
Rolens, Murray E.	M. D.	Murpheyshboro, Illinois
Romano, John R.	M. D.	Bridgeport, Connecticut
Rombrowski, J. A.	M. D.	Toledo, Ohio
Romereim, Berta	Special	Hudson, South Dakota
Root, Calvin M.	B. D.	Arriba, Colorado
Root, Minnie	Ed.	Lambert, Oklahoma
Ropp, Elsa	D. E.	Franklin
Ropp, Mary F.	Ed.	Franklin
Rosan, N.	M. D.	Chicago, Illinois
Rosenberg, W. A.	M. D.	Chicago, Illinois
Rosenblum, Albert M.	D. D. S.	Chicago, Illinois
Rosenblum, Harry	D. D. S.	Chicago, Illinois
Rosenthal, B. J.	D. D. S.	Russia
Rosheim, Knut	B. S.	Scarville, Iowa
Ross, Raymond	D. D. S.	Superior, Wisconsin
Rossyn, I. M.	M. D.	Chicago, Illinois
Rotea, Federico L.	M. D.	Bais, Philippine Islands
Roubert, Lester N.	D. D. S.	Minneapolis, Minnesota
Rourke, John	Special	Cleveland, Ohio
Rowan, F. R.	A. Eng.	Lordsburg, California
Rowan, Mable	Music	Canyon, Texas
Rowe, William	Ph. G.	Akron
Rowell, C. S.	M. D.	Valparaiso
Rowell, Margaret	Art	Valparaiso
Rowland, Arthur	Music	Dawson, Georgia
Rubin, H. L.	Pre-M.	Chicago, Illinois
Rubin, J.	M. D.	Chicago, Illinois
Rubin, M.	M. D.	Chicago, Illinois
Rubin, Naomi	D. D. S.	Chicago, Illinois
Rubinstein, Bernard	M. D.	Wolyn, Russia
Rudeaux, Harrison H.	M. T.	Cincinnati, Ohio
Rueda, Ricardo	Pre-M.	Bfmanga, Colombia, S. A.
Ruge, Irene	Music	Valparaiso
Ruhberg, Bessie	Music	Storden, Minnesota
Ruiz, Jose	Ph. C.	Cienfuegos, Cuba
Rumph, Louise	D. E.	Perote, Alabama
Runge, Frank C.	Eng.	Meridan, Connecticut
Ruoff, Vernet Linwood	B. S.	Chatham, Massachusetts
Rupert, Herbert W.	D. D. S.	Eureka, California
Ruppelt, Etta	Agr.	Steamboat Rock, Iowa
Russell, James W.	Music	New Milford, Connecticut
Russell, Joseph M.	C. Eng.	Sastregiavanni, Italy
Russell, P. B.	Special	Monett, Missouri
Russell, Roberta	D. E.	Magazine, Arkansas
Ruter, Edward M.	Ed.	New Albany, Indiana
Rutz, R. A.	M. D.	Chicago, Illinois
Ruyle, John B.	D. D. S.	Jacksonville, Illinois
Ryan Joseph E.	Ed.	Wharton, New Jersey
Rybolt, Ruth A.	Pri.	Winslow, Illinois
Sacks, David	D. D. S.	Chicago, Illinois
Sagalove, Anna	D. D. S.	Chicago, Illinois
Saito, Moriga	D. D. S.	Seattle, Washington
Salcedo, Silverio T.	Ph. G.	San Jacinto, Philippine Islands
Salerni, N. B.	M. D.	Manhattan, New York

Salian, Diran Hartin.....	D. D. S.....	Amassia, Asia Minor
Saleeby, T.	Pre-M.....	Dillow, South Carolina
Salisbury, G. F.	D. D. S.....	Pecatonica, Illinois
Salit, Peter Waldemar.....	Art.....	Orleans do Sul, Brazil
Salzer, Kelson	M. D.....	Carver, Kentucky
Salzer, Pauline	Music	Valparaiso
Samkirk, M. Aurora.....	B. S.....	Plymouth
Samson, Simon M.....	D. D. S.....	Chicago, Illinois
Samuelevitz, B.	M. D.....	Chicago, Illinois
Sanborn, Lawrence	D. D. S.....	Lake City, Minnesota
Sandquist, E. U.....	D. D. S.....	Harnosand, Sweden
Santayana, Simeon I.....	M. D.....	Unisan, Philippine Islands
Santilli, Salvatore	Law.....	Providence, Rhode Island
Sapasnica, S.	Pre-M.....	Chicago, Illinois
Sarkioian, Vahan	Agr.....	Chicago, Illinois
Saskor, Anthony	D. D. S.....	Chicago, Illinois
Satten, Frank	D. D. S.....	Paterson, New Jersey
Satter, O. E.	M. D.....	Morris, Minnesota
Sausaman, Chester E.....	Law	Twelve Mile
Savage, Austin A.....	D. D. S.....	Lowell, Massachusetts
Sawick, Joseph	Eng.....	Detroit, Michigan
Sawyer, Callie	D. E.....	Mountcastle, Virginia
Sawyer, G. M.....	M. D.....	Greenfield, Iowa
Sawyer, Mabel	Ed.....	Valparaiso
Saxon, Albert M.....	D. D. S.....	Chicago, Illinois
Sayers, Lillian	Music	Valparaiso
Saylor, Cevilla E.....	Ed.....	Hebron
Saylor, Consuello	Music.....	Goldthauite, Texas
Scanlon, William	M. D.....	Youngstown, Ohio
Schaefer, Henry M.....	D. D. S.....	Bralia, Roumania
Schaefer, L. E.....	Pre-M.....	Chicago, Illinois
Schaffner, Julius M.....	D. D. S.....	Chicago, Illinois
Scheenan, Christopher	Eng.....	Chicago, Illinois
Schien, Clarence E.....	C. Eng.....	Clinton, Illinois
Schlitz, Mildred	Ed.....	Brook
Schiller, Carl Rex.....	Phar.....	San Rafael, California
Schjedahl, Arthur O.....	D. D. S.....	Decorah, Iowa
Schodnick, G.	M. D.....	New York, New York
Schlosberg, Charles	D. D. S.....	Chicago, Illinois
Schlundt, Walter D.....	Music	Valparaiso
Schmeltz, Bertha	Music	North Liberty
Schmid, Arthur A.....	D. D. S.....	Chicago, Illinois
Schmidt, A. Elsa.....	Ph. C.....	Leipzig, Germany
Schneider, H. W.....	D. D. S.....	Ableman, Wisconsin
Schneider, John	Special	Hebron
Schneider, Matthew	D. D. S.....	Minneapolis, Minnesota
Schneider, Oscar G.....	Law	Cleveland, Ohio
Schnitzen, David	D. D. S.....	Chicago, Illinois
Schnitzer, Miss M.....	D. D. S.....	Chicago, Illinois
Schnitzer, Oscar	D. D. S.....	Chicago, Illinois
Schoon, T. G.....	M. D.....	Buffalo Center, Iowa
Schoonover, Grace	Ed.....	Medaryville
Schroeder, D. Francis.....	B. S.....	Reading, Pennsylvania
Schroeder, Samuel	D. D. S.....	Chicago, Illinois
Schrumpf, C. R.....	D. D. S.....	Miles City, Montana
Schuhman, Byron J.....	D. D. S.....	Hartford, Wisconsin
Schuhman, Sylvester	D. D. S.....	Hartford, Wisconsin
Schuiteman, Edward D.....	B. S.....	Fremont, Michigan
Schuler, Walter F.....	B. S.....	York, Pennsylvania
Schultz, H. S.....	M. D.....	Chicago, Illinois
Schulz, A. W.....	M. D.....	Chicago, Illinois
Schumacher, F. R.....	M. D.....	Kearney, New Jersey
Schwab, Carl F.....	D. D. S.....	Normal, Nebraska
Schwab, Louis	Music	Homewood, Illinois
Schwager, I.	M. D.....	New York, New York
Schwartz, Herbert B.....	Phar.....	Royalton, Minnesota
Scott, Bessie	Music	Plymouth
Scott, Anna	Music	Bethany, Illinois
Scott, Cliff W.....	Special	Cleburne, Texas
Scott, Earl E.....	Law	Hanover
Scott, G. V.....	Phar.....	Chicago, Illinois
Scott, Hazel	Special	Delphi
Scotten, Clyde Postetr.....	Pre-M.....	Sedalia, Missouri

Seaburg, E. W.	M. D.	Peoria, Illinois
Seaburg, Hilmer Irving	Law	St. Paul, Minnesota
Seale, C. W.	M. D.	Bitte, Manitoba, Canada
Seaman, Walter W.	C. Eng.	Fort Madison, Iowa
Sears, Pauline Ann.	Music	Paoli
Sebolt, Howard A.	D. D. S.	Chicago, Illinois
Sechrest, Bertha	Ed.	Crawfordsville
Segal, G. M.	M. D.	Chicago, Illinois
Seidenberg, Louis S.	D. D. S.	Chicago, Illinois
Seidner, Leo	D. D. S.	Chicago, Illinois
Seidner, M. J.	M. D.	Chicago, Illinois
Selinger, Jonas	D. D. S.	Chicago, Illinois
Selkirk, Mildred	Ed.	Michigan City
Sellards A. G.	M. D.	Portsmouth, Ohio
Serles, M. C.	D. D. S.	Salem, North Dakota
Severns, Dorris	Exp.	Astoria, Illinois
Sewell, Rolland G.	D. D. S.	Skidmore, Missouri
Sexton, E. B.	D. D. S.	Wichita, Kansas
Shade, Adam	B. S.	Westernport, Maryland
Shadler, H. F.	Law	Verona, North Dakota
Shafer, C. A.	M. D.	Belleville, Ohio
Shafer, Carl J.	Ed.	Claremont, Illinois
Shafer, M. M.	Ed.	Trenton, Ohio
Shaner, Gail	Ed.	Chesterton
Shank, Maude	Music	Pulaski
Shankle, George E.	Ed.	Martin, Tennessee
Shanklin, Lloyd	Special	Springville, Iowa
Shannon, H. A.	Law	Mt. Erie, Illinois
Shannon, Mable	Music	Mt. Erie, Illinois
Sharp, M. Florence	D. E.	Lynchburg, Ohio
Sharpsteen, J. T.	Ed.	Western Grove, Arkansas
Sharpnack, L. I.	Law	Carmichaels, Pennsylvania
Shaughnessy, Lawrence	D. D. S.	Fairmount
Shaw, Beryl B.	Ed.	Argos
Shaw, Ivanetta	Music	Gloucester, Massachusetts
Shaw, Lyle	M. T.	Argos
Shea, Josephine J.	Special	Blocher
Shea, Julia B.	Ed.	Indianapolis
Shedron, Fern	Music	Camden
Sheedy, Ruth	D. E.	Fowler
Sheets, Claude	Exp.	Lakeville
Shefte, Engebret K.	D. D. S.	Dell Rapids, South Dakota
Sheffield, Frank H.	Law	Racine, Wisconsin
Shelley, Deavola	Music	Oxford
Shenk, John C.	Music	Myerstown, Pennsylvania
Sheriff, Tobert	Special	Covington, Kentucky
Sherman, Aloyse V.	D. D. S.	Belle Fourche, South Dakota
Shermer, Dayton	Phar.	Horatio, Arkansas
Sherwood, E. C.	Agr.	Lomax, Illinois
Sherwood, S. J.	Phar.	Bolivar, Tennessee
Shields, Harry	D. D. S.	South Bend
Shilling, Columbus H.	Law	Knox
Shinabarger, Nellie	D. E.	Valparaiso
Shing, C. I.	Special	Changsha, China
Shipman, O. F.	B. S.	Sherman, Illinois
Shipp, John	B. S.	Scottsboro, Alabama
Shklar, Leon S.	D. D. S.	Chicago, Illinois
Shlapelis, Anicet	Music	Chicago, Illinois
Shlifer, A.	Ed.	Rochester, New York
Shoemaker, Carol G.	Eng.	Nichols, New York
Shosa, Leo N.	Special	Keweenaw Bay, Michigan
Shotridge, Grace	Special	Pine Bluff, Arkansas
Showacre, E. C.	M. D.	Cumberland, Maryland
Shryer, J. S.	M. D.	Durant, Iowa
Shuler, W. J.	Ed.	Cheshire, Ohio
Shultz, Jerome K.	B. S.	Hereford, Pennsylvania
Shutack, J.	M. D.	Nesquehoning, Pennsylvania
Shwiff, Paul	Ph. C.	Chicago, Illinois
Siebenhausen, C. H.	C. Eng.	Dallas, Texas
Sieburgh, G. L.	D. D. S.	Utrecht, Holland
Siefers, Ethel G.	Ed.	Lafayette
Siegel, Benjamin	D. D. S.	Chicago, Illinois
Siemers, Sophia L.	Pri.	Haven, Wisconsin

Sievers, Ada H.	Ed.	Valparaiso
Silbertrust, Jack	D. D. S.	Chicago, Illinois
Silverman, Solomon	D. D. S.	Chicago, Illinois
Simerly, Hilda	D. E.	Toledo, Ohio
Siml, Bohuslav	D. D. S.	Chicago, Illinois
Siman, Paul	Pre-M.	Winside, Nebraska
Simon, Robert R.	D. D. S.	Chicago, Illinois
Simonek, Bedrick L.	D. D. S.	Chicago, Illinois
Simonek, J. E.	D. D. S.	Chicago, Illinois
Simons, Basha G.	D. E.	Faribault, Minnesota
Sims, M. F.	Phar.	Pimbroke, Georgia
Simsarian, Nishan H.	Phar.	West Hoboken, New Jersey
Singer, Harry	D. D. S.	Chicago, Illinois
Singer, I.	M. D.	Chicago, Illinois
Single, Harry A.	D. D. S.	Ancortes, Washington
Sinkler, Samuel	D. D. S.	Chicago, Illinois
Sites, George	M. T.	Wanatah
Skembare, E. C.	M. D.	Chicago, Illinois
Skelton, G.	Music	Leanington, England
Skillen, Clara J.	B. S.	Royal Center
Skinner, Evelyn	Music	Richmond
Skinner, Guy Boyd	D. D. S.	Joliet, Illinois
Skinner, Lillian	Music	London, Ohio
Skinner, Merville	Ed.	Essex, Illinois
Skinner, Orville	Ed.	Essex, Illinois
Skinner, Thomas A.	D. D. S.	Calgary, Canada
Skoniecka, Saturn	Music	Chicago, Illinois
Skowron, Casimir J.	D. D. S.	Chicago, Illinois
Sladek, Frank	D. D. S.	Chicago, Illinois
Slater, G. Leslie	A. Eng.	Bemidji, Minnesota
Slivinski, Francis A.	Law	Philadelphia, Pennsylvania
Sloane, David L.	D. D. S.	Chicago, Illinois
Slutsky, Benjamin	M. D.	Middletown, Connecticut
Smalinski, L. C.	Pre-M.	Chicago, Illinois
Small, Tracy	B. D.	New Bedford, Illinois
Smith, A. E.	M. D.	Cleveland, Ohio
Smith, Archibald	Special	Valparaiso
Smith, B. J.	M. D.	New York, New York
Smith, Bertye M.	D. E.	German Valley, New Jersey
Smith, B. Herbert F.	M. T.	Johnston City, Illinois
Smith, C. E.	M. D.	Chicago, Illinois
Smith, Dawn	Ed.	Fairmont, West Virginia
Smith, D. D.	M. D.	Shelbyville, Illinois
Smith, Emma E.	Music	Grand Rapids, Michigan
Smith, Ezra B.	Ed.	Austin, Pennsylvania
Smith, Frank B.	A. Eng.	Ogden, Utah
Smith, Gerald K.	A. B.	Viroqua, Wisconsin
Smith, H. I.	M. D.	Kempton, Illinois
Smith, Helen R.	D. E.	Hobart
Smith, Henry	Ph. G.	Crown Point
Smith, Ila L.	D. E.	Britt, Iowa
Smith, Ira McKee	D. D. S.	Chicago, Illinois
Smith, John	Special	Mascona, Russia
Smith, Joseph A.	D. D. S.	Holgate, Ohio
Smith, M. Margaret	D. E.	Harrisburg, Pennsylvania
Smith, Perry	Law	Eddyville, Illinois
Smith, Samuel	Ed.	New York, New York
Smith, Tony	M. D.	Filst, Germany
Smith, William	Agr.	Henderson, Tennessee
Smith, William	Agr.	Jacks Creek, Tennessee
Snachodsky, Abraham	Ph. C.	Chicago, Illinois
Snider, Carroll	Law	Wilson, Kansas
Snider, J. T.	M. D.	Kellerville, Illinois
Snodgrass, Leonard	Law	Russiaville
Sobelman, Joseph	D. D. S.	Chicago, Illinois
Sobota, Alexander	Law	Chicago, Illinois
Socoloff, B.	M. D.	Chicago, Illinois
Sokolov, A.	M. D.	Chicago, Illinois
Soldner, Alva	Law	Watertown, Wisconsin
Solinko, Roman	Phar.	Chicago, Illinois
Solon, Marion	Phar.	Logan, Ohio
Sommerville, Oliver	Ed.	Scottsburg
Sonneland, S. G.	Pre-M.	Norfolk, Nebraska

Sorenson, Hans K.	D. D. S.	Tonesberg, Norway
Sorgenfrei, Harold	M. T.	Ligonier
Sorgenfrei, Harold	Agr.	Ligonier
Soriero, Albert A.	Pre-M.	Providence, Rhode Island
Soroosh, Rustem	M. D.	Yezd, Asia
Sostrin, S. Z.	D. D. S.	Chicago, Illinois
Sousa, Felix	Agr.	Fortaleza, Brazil, S. A.
Souter, Robert W.	D. D. S.	Chicago, Illinois
Spalo, R. M.	M. D.	Chicago, Illinois
Spangler, Margaret	A. B.	Richwood, Ohio
Sparks, Dale E.	B. S.	Valparaiso
Sparks, George	Special	Valparaiso
Sparks, Gertrude	D. E.	Irwin, Wisconsin
Speaker, Abner	B. S.	Youngstown, Ohio
Speer, Mrs. William O.	D. E.	Valparaiso
Speishandler, Julius H.	Ph. C.	New York, New York
Spencer, George T.	M. D.	Angelica, New York
Spencer, Jessie	Ed.	Chalmers
Spencer, Watson O.	Ph. G.	Valparaiso
Spencer, Wilbur S.	D. D. S.	Chicago, Illinois
Spenko, George	M. T.	Maplewood, Missouri
Spinner, Lydia	Music	North Judson
Spindler, C. J.	Agr.	Valparaiso
Spira, Samuel	D. D. S.	Chicago, Illinois
Sponal, Lillian	Music	Valparaiso
Sprafka, George	D. D. S.	Chicago, Illinois
Stacy, Winton T.	Phar.	Princeton, Missouri
Stall, H. G.	M. D.	Hinsdale, Illinois
Stambaugh, Maynard	C. Eng.	Ashland, Nebraska
Standish, Clara May	B. S.	Segreganset, Massachusetts
Stankiewicz, W.	A. B. and Law	Herkimer, New York
Stanley, Donald M.	Ed.	Andrews
Stanley, John C.	Agr.	Andrews
Stanley, M. V.	M. D.	Tulsa, Oklahoma
Stanton, D. I.	M. D.	Hamilton, Illinois
Stapleton, Mrs. D. H.	Music	Lone Wolf, Oklahoma
Stapp, Elva	Music	Union Star, Missouri
Stark, Adolph F.	D. D. S.	Red Wing, Minnesota
Stark, C. N.	B. S.	Cumberland Furnace, Tennessee
Starzyk, Joseph A.	D. D. S.	Holyoke, Massachusetts
Staton, Alice	Phar.	Marshall, Oklahoma
Staton, Nellie Bly	D. E.	Marshall, Oklahoma
Stead, Ira	Ph. C.	Exchange, Pennsylvania
Stead, Treva Fernelle	Music	Red Key
Steele, Arnot D.	D. D. S.	Saint Georges', B. W. I.
Steele, Caroline	B. S.	Berlin, North Dakota
Steele, John M.	Ed.	Newbern, Tennessee
Steele, Robert, L.	Ed.	Browns, Illinois
Stein, K. Louise	Music	South Germantown, Wisconsin
Steinberg, Hyman	D. D. S.	Chicago, Illinois
Steinhardt, Benjamin	Ph. C.	New York, New York
Stephens, Helen	Music	Valparaiso
Stephens, Hugh J.	Eng.	Calgary, Canada
Stephens, Kathryn B.	Music	Minneapolis, Minnesota
Sterling, Geraldine Josephine	Phar.	Denver, Colorado
Stern, H.	Pre-M.	Chicago, Illinois
Stern, Leon M.	D. D. S.	Chicago, Illinois
Stencek, Joseph Victor	Law	Monaca, Pennsylvania
Stevens, M. Harold	C. Eng.	Red Creek, New York
Stevenson, Robert, B. W.	D. D. S.	Aylmer, Canada
Stewart, Alma L.	Pri	Yorktown
Stewart, Douglas D.	D. D. S.	Gladstone, Michigan
Stewart, M. Drene	Ed.	Elizabeth
Stewart, Robert R.	D. D. S.	Wayne, Illinois
Stewart, S.	M. D.	Eldon, Iowa
Stickley, Bruce K.	Special	Strasburg, Virginia
Stiers, Agnes	Ed.	Lee
Stiglitz, Amelia	Ed.	Whiting
Stiles, Harold Edgard	Law	Bangor, Pennsylvania
Stites, Daniel	Law	Ashkum, Illinois
Stith, Van B.	Pre-M.	Rosedale
Stoddard, Freeman L.	D. D. S.	Iowa Falls, Iowa
Stoimanoff, Stepan	C. Eng.	Kustendil, Bulgaria

Stokes, H. D.	D. D. S.	Read, Minnesota
Stoltz, Virginia	Special	St. Francisville, Illinois
Stone, C. P.	Special	Bryant
Stone, Harry O.	D. D. S.	Chicago, Illinois
Stone, Israel E.	D. D. S.	Chicago, Illinois
Stone, J. A.	D. D. S.	Chicago, Illinois
Stone, Nathan	D. D. S.	Chicago, Illinois
Stone, Raymond J.	D. D. S.	Madison, Wisconsin
Stoner, Mildred	Ed.	Valparaiso
Stouffer, Helen E.	Ph. C.	Leetonia, Ohio
Stout, Isaac W.	Law	Necedah, Wisconsin
Strahan, L. S.	Law	Valparaiso
Straith, C. L.	D. D. S.	
Straits, Edward C.	A. Eng.	Ashland, Ohio
Straits, Mary E.	D. E.	Portland
Straup, Perry D.	D. D. S.	Humboldt, South Dakota
Streicher, I. H.	Eng.	Chicago, Illinois
Strickland, Mrs. Alice	Art.	Duluth, Georgia
Strickland, Ellyne	A. B.	Duluth, Georgia
Striegl, Archie L.	A. Eng.	Edgerton, Wisconsin
Strikol, M. T.	M. D.	Amsterdam, New York
Strizich, Thomas H.	Law	Houghton, Michigan
Strohl, Theodore D.	D. D. S.	Lehigh, Pennsylvania
Strozewski, Waclaw	D. D. S.	Chicago, Illinois
Stuart, Frank	Ed.	Lake Cicott
Stube, Albert	A. Eng.	International Falls, Minnesota
Studebaker, Veral	Special	Walton
Stumpf, Elizabeth	Phar.	Chicago, Illinois
Stupka, Emanuel C.	D. D. S.	LaCrosse, Wisconsin
Sturges, Arthur	Eng.	Carrollton, Missouri
Suddarth, Clyde S.	D. D. S.	Tobinsport
Sugino, Shigeichi	C. Eng.	Japan
Sugrue, M. H.	Law	Waterbury, Connecticut
Sullivan, F. D.	Law	New Phaltz, New York
Sullivan, James A.	Special	Chicago, Illinois
Summer, E. L.	Ph. C.	Meridian, Mississippi
Summer, Verna	Ed.	Valparaiso
Summers, Thelma	Ed.	Wheatfield
Sundin, E. J.	Law	Waterbury, Connecticut
Sunkel, Harry C.	D. D. S.	Mansfield, Ohio
Sutcher, W. C.	D. D. S.	Chicago, Illinois
Svechoov, F.	M. D.	Chicago, Illinois
Sward, Carl	Music	Porter
Swanson, Edith E.	Special	Murfreesboro, Tennessee
Swanson, J. Albert	B. S.	Brainerd, Minnesota
Swartfager, Bryce	Ed.	Ogden, Utah
Sween, Olga M.	Exp.	Brookings, South Dakota
Sweeney, William	Pre-M.	Salida, Colorado
Sweet, E. Earle	Ed.	Bellows Falls, Vermont
Swetnam, E. L.	B. S.	Jenkins, Kentucky
Swinehart, B. O.	M. D.	Cookville, Illinois
Swope, Dewey Belle	Music	Bonham, Texas
Swope, Grace	Pri.	Bonham, Texas
Sykes, Howard M.	Music	Valparaiso
Szold, Edwin	Special	Valparaiso
Tacij, Nicholas	D. D. S.	Scranton, Pennsylvania
Talbot, Mrs. M. L.	Ed.	St. Charles, Minnesota
Tallcott, Mary	Special	Valparaiso
Tallman, Brooks	Special	Leon, West Virginia
Tamarin, Abraham	D. D. S.	Philadelphia, Pennsylvania
Tandy, Mrs. Dorothy B.	Music	Valparaiso
Tangusso, Sebastian	Law	Mineo, Italy
Tanner, Amy G.	Kind.	Sparta, Wisconsin
Tanner, F. R.	D. D. S.	Payson City, Utah
Tapias, M. A.	C. Eng.	Muralla, Havana, Cuba
Tapp, Albert W.	D. D. S.	Chicago, Illinois
Tartek, J.	Pre-M.	Chicago, Illinois
Tashiro, Isami	D. D. S.	Hakolu, Hawaii
Tashma, S.	M. D.	Chicago, Illinois
Taylor, A. C.	M. D.	Wilmette, Illinois
Taylor, D. L.	Phar.	Turtle Point, Pennsylvania
Taylor, Grady	C. Eng.	Greenville, Missouri
Taylor, May	D. E.	LaPorte

Taylor, Thomas D.	D. D. S.	Broken Bow, Nebraska
Tempel, Johannes	Music	Temvik, North Dakota
Tempelmeyer, Earl	A. Eng.	Denison, Texas
Tenney, Adah	Music	Red Falls, Minnesota
Tenczar, F. J.	M. D.	Chicago, Illinois
Terwilliger, Bert D.	Law	Devil's Lake, Wisconsin
Tesche, Carl F.	D. D. S.	Peru, Illinois
Thain, James	Ed.	Buckii, Scotland
Thayer, Pearl E.	Music	Richland Center, Wisconsin
Thayer, W. F.	M. D.	Chicago, Illinois
Thingren, Leila	Special	Chicago, Illinois
Thomas, Fannie	Ed.	Marlin, Texas
Thomas, Fay	Special	Marlin, Texas
Thomas, L. E.	Law	Monon
Thomas, Mabel	Agr.	Madison
Thompson, Carl	D. D. S.	Chicago, Illinois
Thompson, E. C.	M. D.	Cedarville, Illinois
Thompson, Fred	D. D. S.	Granite Falls, Minnesota
Thompson, Fred E.	A. B.	Royal Centre
Thompson, Mary	Ed.	Hobart
Thompson, Maurice	Special	Petersburg
Thompson, Ruth S.	Ed.	Hobart
Thompson, W. J. Bryan	D. D. S.	Duncombe, Iowa
Thorp, R. A.	Pre-M.	Chicago, Illinois
Thorpe, Raymond A.	D. D. S.	Darieuz, Wisconsin
Thropp, May	Phar	Avilla
Tibbetts, Ellen M.	Music	Northampton, Massachusetts
Tichy, L.	M. D.	Chicago, Illinois
Timm, Harry E.	Special	Whiting
Timmons, Floyd	Ph. C.	Cassopolis, Michigan
Timmons, Gerald	Phar	Valparaiso
Timmons, Ruth	Ed.	Delphi
Timure, Flossie L.	Ed.	Medaryville
Tinker, Lavinia M.	Ed.	Hillsboro, Wisconsin
Tinsley, G. J.	Ed.	Haynesville, Louisiana
Tobias, Ella K.	A. B.	Corning, New York
Tofte, Anna	Ed.	Valparaiso
Tofte, Julia	B. D.	Valparaiso
Tofte, Marguerite	B. D.	Valparaiso
Tollefson, Berthyne	Special	Hudson, South Dakota
Tompkins, H. S.	M. D.	Camden, New Jersey
Torres, Carlos Pray	A. Eng.	Santiago, Chile, S. A.
Torson, Archie O.	D. D. S.	Whitehall, Wisconsin
Torson, Raymond	Law	Akron, Ohio
Travis, A. L.	A. B.	Pueblo, Colorado
Travis, Helen	D. E.	East Liverpool, Ohio
Treanor, Carolyn	Music	Petersburg
Treik, Paul W.	D. D. S.	Scotland, South Dakota
Tretner, William J.	D. D. S.	Spokane, Washington
Treto, Domingo	D. D. S.	Placentas, Cuba
Trinkler, Walter H.	C. Eng.	Warsaw, Poland
Tripp, Reginald	B. S.	Essex, Connecticut
Trobaugh, Frank E.	Law	Murfreesboro, Illinois
Trossman, Z.	D. D. S.	Chicago, Illinois
Trost, E. F.	D. D. S.	Moorehead, Minnesota
Trota, Jose C.	M. D.	Murcia, Philippine Islands
Troupa, A. B.	M. D.	Aurora, Illinois
Trousdale, Ruth	Kind.	Monroe, Louisiana
Trovillion, R. A.	D. D. S.	Metropolis, Illinois
Trudeau, Stella M.	Music	Manteno, Illinois
Truitt, Joseph	Special	El Reno, Oklahoma
Tuve, Alice	Special	Kenyon, Minnesota
Turnbaugh, F. E.	D. D. S.	Chicago, Illinois
Tyler, C. L.	D. D. S.	Mellen, Wisconsin
Tyrell, Lucille M.	Ed.	Wolcott
Udre, Peter	Ed.	Lawrence, Massachusetts
Uhlie, George C.	Law	Walnut, Nebraska
Ulanowicz, Vincent A.	D. D. S.	Braddock, Pennsylvania
Ullrich, Alma	Music	Lee Center, Illinois
Ulrey, Vernon	M. T.	Brook
Valentine, Antonion S.	Eng.	Manila, Philippine Islands
Valentin, Eusebio S.	Eng.	Manila, Philippine Islands
VanBoskirk, Ethel	Music	Lake Charles, Louisiana

Vande Bogart, L. G.	B. S.	Sheboygan Falls, Wisconsin
Van Regenmorter, Helen	B. S.	Macatawa, Michigan
Van Surdan, C. S.	D. D. S.	Auburn, New York
Van Tilbury, Donald	Agr.	Colsee
Van Tilbury, Donald	A. B.	Colsee
Van Voorhees, Clara F.	Ed.	Chicago, Illinois
Vaughan, B. H.	M. D.	Russell, Kentucky
Vazquez, Enrique	Pre-M.	Ponce, Porto Rico
Veatch, Mary L.	Art	Rushville
Vella, Rosina	Pri	Valparaiso
Vennesland, G. O.	D. D. S.	Kristiansand, Norway
Vickery, Mrs. Grace	Exp.	Chicago, Illinois
Vickery, L. Otis	M. D.	Sheridan
Victor, Ward	Special	El Paso, Illinois
Vines, Percy E.	Law	Village, Arkansas
Vitkus, John T.	Ed.	Valparaiso
Vlachos, Nestor N.	C. Eng.	New York, New York
Vollink, J.	Law	Archer, Iowa
Votsos, Diogenes D.	D. D. S.	New York, New York
Vosburgh, William H.	A. B.	New Brighton, New York
Venable, Leslie M.	D. D. S.	Keithburg, Illinois
Vickers, L. M.	D. D. S.	Kingsville, Canada
Vineburg, Louis S.	D. D. S.	Chicago, Illinois
Vlma, Stephen J.	D. D. S.	Chicago, Illinois
Volkman, Arthur N.	D. D. S.	Chicago, Illinois
Voss, E. R.	D. D. S.	Aurora, Illinois
Vries, C. O. de	D. D. S.	Utrecht, Holland
Waegener, Dorothy	Special	Fort Madison, Iowa
Wagakoff, Harry	D. D. S.	Ekaterinburg, Russia
Wagner, Nellie	Ed.	McConnell
Wagner, Paul	C. Eng.	Chicago, Illinois
Wagner, William E.	Music	McConnell
Wahl, Carl M.	Eng.	Georgetown, Ohio
Wakeman, Doris L.	Ed.	Stockton, New York
Wakeman, Frank B.	B. S.	Wellsbridge, New York
Waldron, George H.	D. D. S.	Torrington, Connecticut
Walker, J. B.	D. D. S.	Chicago, Illinois
Walker, Lucy Clover	Music	Chesterton
Walker, Price Mars	A. B.	Loreno, Texas
Walker, Thomas H.	Special	Wynnewood, Oklahoma
Walker, William B.	D. D. S.	Idaho Falls, Idaho
Wallace, E. H.	D. D. S.	Dallas Center, Iowa
Wallace, George L.	Music	Atlanta, Georgia
Wallack, Leo	Phar.	Chicago, Illinois
Wallis J. B.	Ed.	Valparaiso
Wallschlaeger, G. G.	M. D.	Milwaukee, Wisconsin
Walter, Lillian M.	Special	New Albany
Walters, John William	B. S.	Pineville, Kentucky
Walton, Doshia	Ed.	Hebron
Wang, Tei Chong	C. Eng.	Weihhsien, China
Warczak, Joseph J.	D. D. S.	Minto, North Dakota
Ward, Benjamin F.	M. D.	Williamson, West Virginia
Ward, Carrol G.	A. Eng.	Sidney, Iowa
Ward, Victor	B. D.	El Paso, Illinois
Ware, Ethel M.	Pri	Spokane, Washington
Wark, Robert C.	Ph. C.	Valparaiso
Warren, G. O.	Ed.	Stryker, Ohio
Warren, Mattie	Exp.	White Plains, Tennessee
Warrick, Charity A.	Music	Valparaiso
Warrick, Fletcher	D. D. S.	Glenwood, Alabama
Warrick, J. D.	M. D.	Glenwood, Alabama
Warshowski, I.	M. D.	Chicago, Illinois
Washburn, Gertrude E.	Exp.	Toulon, Illinois
Watanabe, Benjamin	D. D. S.	Tokio, Japan
Waters, Victor Hugo	B. S.	Hackett, Arkansas
Watkins, Janey	A. B.	Palmetto, Georgia
Watson, George M.	D. D. S.	Ogden, Utah
Watson, I. K.	Phar.	Deerfield, Kansas
Watson, Myron E.	C. Eng.	Sanford, Maine
Watson, Thomas J.	M. T.	Limrock, Alabama
Watts, Nettie	Pri	Griffith
Weaver, I. A.	D. D. S.	Onward
Weaver, J. L.	Eng.	Wood River, Illinois

Weaver, William	Ed	Elizabeth
Webb, Forest L.	Ed	Rushville
Webb, J. L.	B. S.	Valparaiso
Webb, Susie	B. D.	South Point, Ohio
Weber, Carlos L.	D. D. S.	Fennimore, Wisconsin
Weber, O. M.	D. D. S.	Waterloo, Iowa
Webster, Mabelle	Music	Monroeville
Weidman, Hazel E.	Music	Patterson, New Jersey
Weidman, Roy S.	Ph. C.	Patterson, New Jersey
Weidner, J. W.	D. D. S.	Farmer City, Illinois
Weigand, George A.	Eng.	Utica, New York
Weigel, Earl J.	Ed	Kimmell
Weinfeld, H.	D. D. S.	Chicago, Illinois
Weinfeld, Samuel	D. D. S.	Chicago, Illinois
Weingart, Charles	D. D. S.	Chicago, Illinois
Weis, John	Ed	LaCrosse
Weisenaner, Della	Music	Greentown
Weiss, Leonard M.	Ed	Madison, Wisconsin
Weiss, S.	Pre-M.	Chicago, Illinois
Weissman, M.	M. D.	Chicago, Illinois
Weissman, D.	M. D.	Chicago, Illinois
Weisz, George R.	D. D. S.	Chicago, Illinois
Welch, Alma	Ed	Valparaiso
Welsh, James	B. D.	Harvey, Illinois
Weldy, C.	M. D.	Pulaski, Illinois
Weller, Kathryn	Music	Oak Park, Illinois
Wells, Henry L.	Ed	Grayville, Illinois
Wells, H. L.	Eng.	Gracedale, Pennsylvania
Welty, Albert J.	D. D. S.	Evansville
Wente, Erna H.	Ed	Crete, Illinois
Wenmuth, Eugene F.	C. Eng.	Boston, Massachusetts
Werner, Nels	C. Eng.	Duluth, Minnesota
Werthemier, Benjamin	D. D. S.	Chicago, Illinois
Wertz, Frank A.	D. D. S.	Altoona, Pennsylvania
Westbrook, Robert	B. S.	Marion, Illinois
Westedt, Ewald	D. D. S.	Logansville, Wisconsin
Westfall, Isla	Pri	Grayville, Illinois
Westfall, O. E.	Ed	Valparaiso
Wetzel, Otto K.	Law	Oklahoma City, Oklahoma
Weyman, William	A. B.	Jersey City, New Jersey
Whelan, M. J.	D. D. S.	Chicago, Illinois
Whitaker, Virgil E.	Law	Crown Point
White, Alta Mae	Pri	Richmond
White, Charles E.	D. D. S.	Yale, Oklahoma
White, Helen M.	Law	Muncie
White, I. A.	D. D. S.	Chicago, Illinois
White, J. P.	B. S.	Joplin, Missouri
White, M. E.	M. D.	Chicago, Illinois
White, M. Maja	D. E.	Milwaukee, Wisconsin
White, Victor	A. B.	South Judson
White, W. J.	Ed	DeKalb, Mississippi
Whitelaw, A. J.	A. Eng.	Buenos Ayres, Argentine, S. A.
Whitelaw, Lucy	Art.	Buenos Ayres, Argentine, S. A.
Whitney, J. M.	D. D. S.	Logan, Utah
Whitten, K. M.	M. D.	Howard, Rhode Island
Whittington, E. Frank	Ph. C.	East Jordan, Michigan
Wickerhan, J. R.	M. D.	Peru
Wickham, R. S.	C. Eng.	Watkins, New York
Widen, Herman M.	D. D. S.	Chicago, Illinois
Wiercinski, J. G.	M. D.	Chicago, Illinois
Wilcox, Miner	D. D. S.	Ogden, Utah
Wild, Myrtle	D. E.	Hobart
Wiles, Leona	D. E.	Arcadia
Wilhelm, O. A.	M. D.	Chicago, Illinois
Wilkerson, Roy	A. B.	Waynesfield, Ohio
Wilkins, Leslie T.	Eng.	Lanne, Montana
Wilkinson, Horace A.	C. Eng.	Athol, Massachusetts
Will, A. G.	M. D.	Chicago, Illinois
Williams, James F.	B. S.	Millington, Tennessee
Williams, J. G.	Law	Viola, Tennessee
Williams, Leone	D. E.	Angola
Williams, Margaret	Exp.	Ellensburg, Washington
Williams, Marguerite F.	D. E.	Chesterton

Williamson, R. L.	Ed	Valparaiso
Willing Cynthia	Special	Valparaiso
Wills, Arthur E.	A. Eng.	Peculiar, Missouri
Willson, U. R.	M. D.	Boonville
Wilson, Adrian	D. D. S.	Rexburg, Idaho
Wilson, Anna Marie	B. S.	North Madison
Wilson, J. Ralph	Ed.	Oliphant, Pennsylvania
Wilson, Ola May	Ed.	New Albany
Wilson, R. Lee	Law.	Pendleton, South Carolina
Wilson, Vance	M. T.	Ashland, Nebraska
Wilson, W. F.	Ph. C.	Franklin, Pennsylvania
Winans, Lena	Music	Decatur
Winans, Nell	Ed	Decatur
Wineburg, L.	D. D. S.	Chicago, Illinois
Wing, Hazel B.	Music	Brockton, Massachusetts
Winkler, E. F.	Law.	Sandpoint, Idaho
Winn, Harold C.	M. D.	Methuen, Massachusetts
Winslow, Robert	Music	Valparaiso
Winslow, Wallace O.	D. D. S.	Chicago, Illinois
Winter, David H.	Law.	Shawano, Wisconsin
Winter, V. Monroe	D. D. S.	Sioux Falls, South Dakota
Winters, Sidney	M. D.	New Haven, Connecticut
Wirth, Elizabeth	D. D. S.	Helena, Montana
Wisman, Ruth R.	D. E.	Bucyrus, Ohio
Witko, A. W.	Law.	Priceburg, Pennsylvania
Witous, C. J.	D. D. S.	Cicero, Illinois
Wittenberg, Paul C.	D. D. S.	Chicago, Illinois
Wittert, Walter	D. D. S.	Chicago, Illinois
Wojtalewicz, J. T.	D. D. S.	Chicago, Illinois
Wojahn, Edward C.	D. D. S.	Wanatah
Wolanski, W. M.	A. B.	Plains, Pennsylvania
Wolbrandt, Mamie	Ed	Kouts
Wolf, R. E.	Eng.	Tuscarawas, Ohio
Wolfe, David	D. D. S.	Chicago, Illinois
Wolfberg, Irene	Art	Wakarusa
Wolfgang, Herschel L.	C. Eng.	South Haven, Michigan
Wolinski, E. H.	M. D.	Chicago, Illinois
Wolter, Alfred	D. D. S.	Chicago, Illinois
Wong, Chal Lang	Law.	Canton, China
Wonsick, Joseph W.	M. D.	Duquesne, Pennsylvania
Wood, Berniece	Ed	Hebron
Wood, Clarence D.	B. S.	Porter
Wood, G. R.	M. D.	Wolcott
Wood, Helen	Pri	Bourbon
Wood, S. H.	M. D.	Plattsburg, Minnesota
Woodbridge, Jessie	Pri	Griffith
Woodburn, Lincoln	Agr.	Casey, Illinois
Woodbury, Ethel	Art	Warehouse Point, Connecticut
Wooden, Russell	Ed	Wolcott
Woodmansee, Edalin	Music	Valparaiso
Woodruff, Newton H.	Ph. G.	Smithfield, Utah
Woodside, J. B.	A. B.	Marion, Illinois
Woolan, E. B.	M. D.	San Augustine, Texas
Woldridge, Edna	Ed	Culver
Woolley, M. R.	D. D. S.	Grantsville, Utah
Worley, E.	M. D.	Logan, Utah
Worley, Edson	B. D.	Lowell
Worley, Marjorie	Music	Pulaski
Worlton, William L.	D. D. S.	Lehi, Utah
Worsley, E. F.	M. D.	Oak Park, Illinois
Worthington, E. J.	M. D.	Olney, Illinois
Wright, Harry L.	D. D. S.	Sioux Falls, South Dakota
Wunkes, Richard C.	D. D. S.	Chicago, Illinois
Wyman, Horace E.	D. D. S.	Elgin, Illinois
Yagle, Irma	D. E.	Pickensville, Alabama
Yalowitz, B. G.	C. Eng.	Hammond
Yanakiff, Gordon	Ph. C.	Lozengrad, Turkey
Yantis, Edna	D. E.	Moweaqua, Illinois
Yao, James	Ed.	Hankow, China
Yasaki, M.	D. D. S.	Tokio, Japan
Yates, Earl	Phar.	Philadelphia, Pennsylvania
Yates, Jack C.	D. D. S.	Chicago, Illinois
Yates, Kenneth S.	C. Eng.	New Hope, Pennsylvania

Yerex, A. L.	Law	Valparaiso
Yerley, Joseph	Ph. G.	Taylorville, Illinois
Yokono, T.	Eng.	Ichigo, Japan
Yonover, Morris J.	D. D. S.	Chicago, Illinois
Yoshikanwa, Yoshio	Eng.	Honolulu, Hawaii
Young, Alfred Turner (Deceased)	D. D. S.	Etna Mills, California
Young, C. A.	Phar.	Mahoffey, Pennsylvania
Young, D. W.	Law	Fort Madison, Iowa
Young, F. E.	Ed.	Camden
Young, S. C.	D. D. S.	Chicago, Illinois
Young, Vesta B.	Pri.	Hennessey, Oklahoma
Youngberg, Winifred A.	Music	Elmhurst, Illinois
Younghaus, Seymour	C. Eng.	Mayfield, Kentucky
Yovaish, John	Phar.	Rockford, Illinois
Yurszis, Charles	Phar.	Chicago, Illinois
Zagorski, Sigmund M.	D. D. S.	Camden, New Jersey
Zajack, John F.	Special	Chicago, Illinois
Zalatoris, P.	M. D.	Chicago, Illinois
Zaphyriades, S. D.	M. D.	Chicago, Illinois
Zebrowski, George	Agr.	North White Plains, New York
Zellner, Joseph W.	Exp.	Wayside, Wisconsin
Zerbe, Fern R.	D. E.	Tiosa
Zevalkink, Richard	Pre-M.	Grand Rapids, Michigan
Zibleman, F. A.	M. D.	Chicago, Illinois
Zieg, Benjamin F.	Law	Luverne
Zimmerman, Gertrude	D. E.	Princeton
Zimmerman, J. L.	M. D.	O'Neill, Nebraska
Zimmerman, Myers E.	Ed.	Snyders, Pennsylvania
Zinser, Melford E.	D. D. S.	Prophetstown, Illinois
Zirbel, Elmer J.	D. D. S.	Herman, Wisconsin
Zogalan, Vahan T.	C. Eng.	Merzfoun, Turkey
Zallys, Paul J.	D. D. S.	Roseland, Illinois
Zuback, Louis	D. D. S.	Chicago, Illinois
Zuber, Mrs. Anna J.	Ed.	Valparaiso
Zucker, A. J.	M. D.	Chicago, Illinois
Zun, Charles	D. D. S.	Chicago, Illinois
Zurwell, Frank S.	D. D. S.	Nashua, New Hampshire
Zymont, A.	D. D. S.	Lithuania, Russia-Germany

HIGH SCHOOL

Aaron, Esther	Chicago, Illinois
Abrams, Israel	Tuscumbia, Alabama
Affholder, Frank J.	Kitchener, Ontario, Canada
Agnebuy, W. N.	Ossco, Wisconsin
Ahem, Walter L.	Logansport
Aiken, George	Norwalk, Connecticut
Alger, Francis	Eustis, Florida
Allen, Stanley E.	Bemidji, Minnesota
Anderson, Samuel M.	LaPorte
Anderson, Morton	Burnt Prairie, Illinois
Andreff, Methody K.	Madison, Illinois
Anger, Lorraine	Maysville, Wisconsin
Anthony, Claude E.	Oconee, Georgia
Anton, Lycurgus S.	Brooklyn, New York
Anttila, Elias	Waukegan, Illinois
Arvin, Frederic N.	Valparaiso
Arabian, Angeles S.	Maykausan, Philippine Islands
Aranson, Sylvia	Chicago, Illinois
Arias, Arnulfo	Panama City, Panama
Armstrong, Roy	Floydada, Texas
Aulrenholdt, Christ	Hayward, Wisconsin
Axelrod, Anna	New York, New York
Aziz, Abdul	Sennah, Persia
Backes, J. T.	White Lake, South Dakota
Baldwin, Odus O.	Pleasant Mound, Illinois
Ballard, Laurana	Sparta, Michigan
Barchi, Mundo	Dalzell, Illinois
Barnett, Jerry H.	Johnstown, Pennsylvania
Barth, Julius	Tamalco, Illinois
Beandt, J. Arthur	Munson, Alberta, Canada
Beck, Joseph	Echo, Pennsylvania

Bechtel, Frace E.....	Rock Island, Illinois
Bechtel, Frank D.....	Rock Island, Illinois
Bennett, C. R.....	Georgetown
Bennett, Ralph S.....	Blue Mound, Illinois
Bennett, Samuel.....	Brooklyn, New York
Bennett, Ruth M.....	Valparaiso
Benson, G. Simon.....	Segman, Sweden
Berg, Benjamin W.....	Elgin, Illinois
Berger, Wilma.....	South Bend
Berglund, Eric.....	Rockford, Illinois
Berquist, Arthur.....	Bowling Green, Kentucky
Berquist, Frank.....	Underwood, North Dakota
Bettinger, Leona F.....	Milwaukee, Wisconsin
Bickley, James.....	Valparaiso
Bimbo, Anthony.....	Salo, Ezerem
Black, Frank X.....	Savannah, Georgia
Blake, Hazel.....	Battle Creek, Michigan
Blaker, Mary E.....	Louisville, Kentucky
Bledsoe.....	Bogota, Tennessee
Blumenthal, Fred.....	Dubuque, Iowa
Board, J. G.....	Irvington, Kentucky
Bobst, Albert W.....	Alexander, Iowa
Born, Frank J.....	Racine, Wisconsin
Brcin, John.....	Gary
Breiner, Charles A.....	Sciota, Illinois
Brennan, May.....	Centrall, Illinois
Brewer, Harold.....	Gary
Broderick, Stanley.....	Saginaw, Michigan
Brothers, Paul L.....	Huntington, West Virginia
Brown, Bruce.....	Valparaiso
Brown, I. W.....	Hoquiam, Washington
Bruner, Lola M.....	Willow Hill, Illinois
Bryan, Lloyd.....	Chicago, Illinois
Bryce, Sue.....	McAlester, Oklahoma
Bulger, Percy T.....	Newark, New Jersey
Bultman, Richard H.....	East Saugatuck, Michigan
Burd, Theodore A.....	Buffalo, New York
Burghardt, George F.....	Milwaukee, Wisconsin
Burnett, Charles.....	San Antonio, Texas
Burnett, Howard.....	San Antonio, Texas
Burnstein, Louis A.....	Colchester, Connecticut
Burt, Bryan.....	Farmersville, Texas
Butler, George W.....	Miami, Florida
Byron, J. O.....	Bristol, South Dakota
Caldeira, Antonio D.....	Port-of-Spain, Trinidad, B. W. I.
Caldwell, Janet.....	Tyler, Texas
Callahan, J. F.....	Coopersville, Michigan
Callbeck, Fred C.....	Chicago, Illinois
Calhoon, J. Roy.....	West Plains, Missouri
Caines, Myrtle.....	Couder, Kentucky
Cairns, C. Furner.....	Ligonier, Pennsylvania
Card, Harrold.....	Valparaiso
Carmine, Mary.....	Lexington, Kentucky
Castillo, Miguel.....	Aragon, New Mexico
Cavitt, Wilbur.....	Galata, Montana
Chally, Rose.....	Herscher, Illinois
Chambers, Francis Smith.....	Newark, New York
Cibej, John.....	Locavek, Austria
Clausen, Samuel Arthur.....	Tacoma, Washington
Cleary, George C.....	Elizabeth, New Jersey
Cletcher, Harry L.....	Colconda, Illinois
Clevenger, Kenneth.....	Muncie
Closson, Albert Morton.....	Greenup, Illinois
Cogdal, Chester C.....	Arkansas City, Arkansas
Coleman, Howes L.....	Wallaceburg, Ontario, Canada
Collins, J. S.....	Santa Anna, California
Cone, Leland Merwin.....	Valparaiso
Cook, Ellis.....	Vincennes
Cook, Frank.....	Manchester, New York
Cooney, J. P.....	Brooklyn, New York
Coris, John.....	Detroit, Michigan
Corso, Arthur.....	Danville, Pennsylvania

Cranor, Forrest E.	Temple, Texas
Crawford, J. G.	Muskegon, Michigan
Crouse, Harold M.	Stahlstown, Pennsylvania
Cupis, William A.	Chicago, Illinois
Curianis, Thomas M.	Chicago, Illinois
Dale, Edwin Laurence	Logansport
Daniels, Abraham	Hoosick Falls, New York
Darling, E. A.	Saugatuck, Michigan
Davidson, Margaret	Winnipeg, Canada
Davis, Ethel	Berne
Davis, James	Martinton, Illinois
Dawson, Ethelyn D.	Bismarck, North Dakota
De Freitas, J. T.	Newman, California
Demaree, Raymond	Benham
Dementis, Joseph	Grand Rapids, Michigan
Demman, Dean C.	Helmer
Deu, Harry	Valparaiso
Derderian, S. H.	Woonsocket, Rhode Island
De Sousa, Joseph	Plaisance, E. C. S. A.
Dirks, Edwin J.	Brunsville, Iowa
Dehogne, B. J.	Kelso, Missouri
Dooley, Floyd C.	Coffeetown, Kansas
Dooman, Esther	Yonkers, New York
Dorney, William M.	Allentown, Pennsylvania
Douglas, Jeffery	Winnipeg, Canada
Dunne, Teresa	Stanton, Missouri
Dubov, Lena	Rock Island, Illinois
Dwyle, Floyd	Sturgeon Falls, Ontario, Canada
Eadie, H. M.	Lisbellaw, Ireland
Eanes, Mrs. R. H.	Richmond, Virginia
Edelson, Lillian	Chicago, Illinois
Edwards, Belle	Fontanella, Iowa
Ekendahl, Gideon	Chicago, Illinois
Elliott, Lawrence S.	New Alexandria, Pennsylvania
Elmer, Fred R.	Valparaiso
Elliott, Ralph R.	Cedar Bluff, Alabama
Elliott, William	Valparaiso
Elwood, B. H.	Big Flats, New York
Evanson, Dewey	Hudson, South Dakota
Farrington, Winfield C.	Chicago, Illinois
Fedorenko, P. J.	Kief, North Dakota
Fehrenbacher, C. L.	Bogota, Illinois
Feltes, Anna	Woodstock, Illinois
Feucht, Sidney	Detroit, Michigan
Ferguson, William H.	Paoli
Fiedler, Carrie	Chicago Heights, Illinois
Findlay, Logan	Briercrest, Sask., Canada
Firestone, Walter A.	Larwill
Fletcher, Walter A.	Dodsonville, Texas
Foley, Carl	Browning, Wisconsin
Forney, Emory O.	Minonk, Illinois
Francis, Lorenzo	Meykawayan, Philippine Islands
Freitas, J. D.	Georgetown, British Guiana, S. A.
Frey, John C.	Trepp, South Dakota
Frobish, Wilmer T.	Chatsworth, Illinois
Fry, Hobart	Ina, Illinois
Fuller, C. Wayne	Knox
Fulton, Roswell	Beloit, Wisconsin
Fulton, Wm. J.	Valparaiso
Gaboury, Archelas	Swan Lake, Manitoba, Canada
Gaboury, J. Isaiah	Swan Lake, Manitoba, Canada
Gaboury, J. Oliver	Swan Lake, Manitoba, Canada
Gadek, Michael	Chicago, Illinois
Gapshis, Peter P.	Chicago, Illinois
Garrett, Florence Adeline	Great Falls, Montana
Garrison, Mrs. Jay R.	Rockville
Geeting, Clyde	Salamonia
Geiger, Louis P.	Homestead, Iowa
Gilmore, William	Winner, South Dakota
Goff, Edward	Cleveland, Ohio
Gonzales, Ramon	Manzanillo Cuba
Gordon, E. M.	Madison

Gowler, Samuel I.	Belle Rive, Illinois
Grajewski, Frank B.	Pittsburg, Pennsylvania
Graves, S. H.	Villa Ridge, Illinois
Griffith, Joseph N.	Grand Rapids, Michigan
Gryniewicz, L. I.	St. Charles, Illinois
Grying, Alfred P.	Chicago, Illinois
Halland, A.	Starlrick, Manitoba, Canada
Haltmeyer, Arthur E.	Moline, Illinois
Hamilton, P. D.	Valparaiso
Hancock, Lowell	Jeffersonville, Illinois
Hanowitz, Henry	Mosinee, Wisconsin
Hansen, Mrs. John A.	Copenhagen, Denmark
Hardin, Harry	Seven Mile, Ohio
Harrell, Frances	Gainesville, Georgia
Harrington, Leonard T.	Butte, Montana
Harris, Vieran Hadley	Deep River, Connecticut
Hayatian, H.	New York, New York
Haynes, Frances	El Paso, Illinois
Heard, Martha	Valparaiso
Hedin, Niels	Copenhagen, Denmark
Heeter, Cora	Alum Rock, Pennsylvania
Heeth, Thomas W.	Valdosta, Georgia
Heinl, Andrew E.	Larabee, Iowa
Heineman, Lila	Valparaiso
Heinfeldt, R. J.	Monroeville
Hellman, Frank	Walsh, Illinois
Hembroff, Mildred	Valparaiso
Herman, S.	Buffalo, New York
Hermanson, C. W.	Bingham, Utah
Hicks, R. B.	Jociton, Tennessee
Hill, Grace N.	Texico, Illinois
Hoffman, Carl	Dover, Pennsylvania
Hoffman, E. Raymond	Dover, Pennsylvania
Hofman, William R.	Palmyria
Holland, L. C.	Atlanta, Georgia
Hollister, Ross	Hobart
Holt, Earl W.	Soper, Oklahoma
Hopkins, Lynn J.	Tampico, Illinois
Hopkins, Lester H.	Upper Tract, West Virginia
Hoisington, Carl W.	Plummer, Idaho
Horst, Annette	Hayton, Wisconsin
Horst, Robert H.	Hayton, Wisconsin
Hubert, Herman	Toronto, Canada
Hubert, Conrad I.	St. Paul, Minnesota
Hutchins, Harold L.	Omaha, Texas
Hullman, Ruth	Chicago, Illinois
Hunt, Gyneth I.	Manlius, Illinois
Hunter, Joseph T.	Nanty-Glo, Pennsylvania
Huntington, George E.	Bloomington
Hyde, Frank S.	Tobinsport
Inonye, Kazuo	Honolulu, Hawaii
Ivanoff, Nana	Valparaiso
James, David	Anaconda, Montana
Jasensky, Hugo G.	Stoughton, Wisconsin
Jensen, Esther M.	Arkdale, Wisconsin
Jensen, Hazel C.	Arkdale, Wisconsin
Johnson, Bessie	Water Valley, Mississippi
Johnson, Charles J.	Hillsboro, Illinois
Johnson, David Lee	Warren, Pennsylvania
Johnson, John	Minneapolis, Minnesota
Johnson, John M.	Valparaiso
Johnston, W. U.	Lake Placid, New York
Jones, H. Ward	Esmont, Virginia
Jungjohan, Herman	Valparaiso
Kahle, Edward	Valparaiso
Kalmauskas, R. M.	Verona, North Dakota
Kalozaik, Charles	Burnside, Illinois
Kane, James T.	Cicero, Illinois
Kappenman, Nigel	Holyoke, Massachusetts
Karageorgeff, Mincho	Leaf River, Illinois
Karakasheff, Ellia N.	Banisca, Bulgaria
Karstrom, H. M.	Dumbeny, Macedonia
	Chicago, Illinois

Kaslauskas, K.	Grand Rapids, Michigan
Keatts, Peter	Cadiz, Kentucky
Keikshion, M.	Racine, Wisconsin
Keegan, G. L.	Fort Wayne
Kelevin, Michael	Hartford, Connecticut
Kent, E. Vera	Mulberry
Kessell, Harry H.	Ripley, West Virginia
Kibbey, Cora	Matthews
Killalee, Frederick Joseph	St. Louis, Missouri
Kilpatrick, R. Bruce	Salt Lake City, Utah
Kingsbury, Arthur J.	New Haven, Connecticut
Klusman, Oscar	New Salem, North Dakota
Knight, Everett	Rosiclaire, Illinois
Knowlton, Dallas	Duluth, Minnesota
Kolawski, W. H.	Duluth, Minnesota
Kolling, Frank J.	Valparaiso
Kotirants, Landra	Wilmette, Illinois
Konjors, A. Benjamin	Alpena, Michigan
Kral, George S.	Chicago, Illinois
Krueger, Louis H.	Michigan City
Kurowski, James S.	Pulaski, Wisconsin
Laderman, Celia	New York, New York
Ladevich, Mike N.	Chicago, Illinois
Ladner, John	Eureka, South Dakota
Lane, Mary	Harriman, Tennessee
Lanier, Christian	Madison, Alabama
Lann, W. A.	Hackleburg, Louisiana
Lawrence, Rosemary	Valparaiso
Lawson, Jonathan E.	Brocton, New York
Lease, R. L.	Ponmah, Illinois
Le Page, J. Samuel	Detroit, Michigan
Lester, Emmett E.	Reedy, West Virginia
Le Von, Walter F.	Chicago, Illinois
Limber, Donald	Sheakleyville, Pennsylvania
Lindsay, Ralph L.	Fort Edward, New York
Ljutica, S. B.	Podgor, Montenegro
Logan, R. E.	Ida, Arkansas
Lane, Michael J.	Sharon, Pennsylvania
Loy, Bernard C.	Ruckman, West Virginia
Loy, P. A.	Kirby, West Virginia
Ludwig, Max	New Castle, Pennsylvania
McAdoo, Frances	Van Wert, Ohio
McAvoy, Frank	Hindsdale, Massachusetts
McBride, Ernest A.	Benton, Illinois
McDonald, Georgia	Greenfield
McKenzie, Frances Elizabeth	Ashville, North Carolina
McNeely, John J.	Washington, D. C.
McQuillin C. F. H.	Gary
McWhinney, Wendell	Anaconda, Montana
Mackley, E. W.	Ashton, Illinois
Mackley, Horace	Manheim, Pennsylvania
Macys, W. W.	Chicago, Illinois
Magnusson, Anna	Blaine, Washington
Makeever, Jane	Fair Oaks
Maki, Jeremias	Cloquet, Minnesota
Marczak, S.	Attleboro, Massachusetts
Martin, Harry W.	Canton, Ohio
Martinsson, Sigfird	Gary
Marcy, Clarence E.	Chemung, New York
Mathews, Raymond	Gary
Mathis, Bertha	Sterling, Illinois
Mathis, Rudolph Wm.	Prophetstown, Illinois
Matosian, Chester	East St. Louis, Illinois
Meisel, William	East Chicago
Melmer, Laddie	Lake Andes, South Dakota
Mertz, B. J.	Hallettsville, Texas
Merwin, Hattie	Fredericksted, St. Croix, D. W. I.
Merwin, Martha	Fredericksted, St. Croix, D. W. I.
Merwin, Miles	Fredericksted, St. Croix, D. W. I.
Milburn, W. S.	Cuzco
Miller, Fred E.	Gilman, Illinois
Miller, H. T.	Roscoe, Illinois

Miller, Mary	Harrisburg, Arkansas
Milner, Carlos E.	Pennville
Minass, Frank	Browerville, Minnesota
Mincer, Gladys M.	Elkhart
Mitchell, T. D.	Kansas City, Missouri
Mondey, Harlow B.	Kalamazoo, Michigan
Montigney, Ormond	Conneaut, Ohio
Moore, Arthur	Martin, Kentucky
Moore, Daniel W.	Cleveland, Ohio
Morrison, W. R.	Madera, Pennsylvania
Moye, Wilbur	Ridgway, Illinois
Mudd, Ralph L.	Prairie du Rocher, Illinois
Mullen, A. B.	Webb, Iowa
Munger, J. P.	Birchwood, Tennessee
Murakami, Harry Y.	Honolulu, Hawaii
Murphy, C. P.	Virginia, Minnesota
Musgrave, Carl	Yale, Illinois
Nare, Herman	Virginia, Minnesota
Nelson, William	Springfield, Illinois
Nesbitt, Estella Elizabeth	Wingate
Nicol, Lorenz	Irwin, Ohio
Norwish, Walter	Chicago, Illinois
Nowak, Samuel	Milwaukee, Wisconsin
Nowak, Walter William	Duluth, Minnesota
Nowicki, Edward	Chicago, Illinois
Nutter, Olive F.	Summerville, West Virginia
O'Boyle, David	Glasgow, Scotland
O'Conner, Nell M.	Flemingsburg, Kentucky
Okon, Leo A.	Auburn, Michigan
Olsen, Grant C.	Chicago, Illinois
Olsen, Orville	Cooperstown, North Dakota
Olson, Lee	Odanah, Wisconsin
Onkka, Eli A.	Cokato, Minnesota
Opolonick, Nickolas	Russia
Page, Chester	Soper, Oklahoma
Pankiewicz, Gust	Cleveland, Ohio
Parker, Erwin G.	Avarroad, Minnesota
Parsons, Oleva L.	Crane, Missouri
Peers, Walter	East Wezmouth, Massachusetts
Perkins, Benjamin L.	Youngstown, New York
Perkins, Charles B.	Youngstown, New York
Pfrang, Mrs. Margaret	Rochester, Minnesota
Phillips, Evan	New Richmond
Pickart, Walter	Hammond
Pittenger, W. Verner	Winchester, Ohio
Plin, I. F.	Aurora, Illinois
Plyler, W. H.	Kershaw, South Carolina
Pocius, John	Waukegan, Illinois
Potter, K. S.	Mater, Kentucky
Podlevner, Claire	Chicago, Illinois
Pournelle, Hazel	Fort White, Florida
Prickett, Lester	Owensville
Puschultz, Florence Helen	Cincinnati, Ohio
Pulliam, H. E.	Winterrowd, Illinois
Putnam, H. E.	Whiting
Putoin, Frank	Brockton, Massachusetts
Pyle, Claud L.	Jonesboro, Arkansas
Rabinovitch, Sarah	Chicago, Illinois
Rabkin, Mollie	Chicago, Illinois
Radke, Rosa	Nevada, Missouri
Randolph, Harold Frank	Elkhart
Rasmussen, Elmer	Drayton, North Dakota
Reams, J. R.	Mosley's Junction, Virginia
Redden, Oswald C.	Hinton, West Virginia
Redford, Percy	Tantallon, Sask., Canada
Reed, Ethel May	Logansport
Rice, Anna	Bloomington, Illinois
Riley, Daniel	Lockport, New York
Riley, Kathryn M.	Kasbeer, Illinois
Roberts, Orlo D.	Chesapeake, Ohio
Roberts, H. G.	Decaturville, Tennessee
Robinson, Chris	Van Metre, South Dakota

Robinson, May	Harriman, Tennessee
Rose, Charles R.	Hinton, West Virginia
Rousseau, E. B.	Crosby, North Dakota
Rukstalis, Vincent	Lewiston, Maine
Ruby, I.	New York, New York
Rudzik, Lawrence	Youngstown, Ohio
Rupich, John	Chisholm, Minnesota
Sadowski, Frank	Cleveland, Ohio
Salgstrom, Hannah	Chicago, Illinois
Salsbury, G. C.	Brownington, Missouri
Savage, John	New Britain, Connecticut
Sawyer, Rossman	Valparaiso
Scarlet, Charles E.	Chicago, Illinois
Scarpa, Anthony P. K.	Derby, Connecticut
Schmidt, Alfred B.	Hendricks, Minnesota
Schoubye, Oscar	New York, New York
Seaver, Guy J.	Fort Dodge, Iowa
Seibert, Elmer	Mulberry Grove, Illinois
Seifert, Theodore A. L.	Milwaukee, Wisconsin
Sells, J. E.	Trenton, Georgia
Senagub, Dora	Chicago, Illinois
Seto, Louis Y.	Wilkinsburg, Pennsylvania
Sexson, J. B.	Vincennes
Shafer, Mamie Belle	Oak Park, Illinois
Shara, Joseph	Benton Harbor, Michigan
Shepherd, Jesse E. S.	Pleasantville
Shockney, Lee	Union City
Sells, Ben Taylor	Trenton, Georgia
Simmons, S. T.	Rockcastle, West Virginia
Simpson, Samuel V.	Mill Shoals, Illinois
Sinclair, Hugh	Valparaiso
Sirvydas, Vytold	Brooklyn, New York
Sisson, James	Sissonville, West Virginia
Skeoch, Norman R.	Diamond and Ruby St. Croix, D. W. I.
Smith, Floyd A.	Ogden, Utah
Smith, Austin L.	Carthage, Missouri
Smith, Carl R.	Traverse City, Michigan
Smith, Evelyn	Essex, Illinois
Smith, H. H.	Fort Plain, New York
Smith, Lona M.	Valparaiso
Snell, Rose	Norwood, Ohio
Snodgrass, John F.	Mannington, West Virginia
Snyder, Marietta	Rockford, Illinois
Solinski, B. J.	Cleveland, Ohio
Sook, Delbert, M.	Arco, Minnesota
Sorochan, Dymtro J.	Zamale, Canada
Sosa, Santiago	Colon, Panama
Souke, Tony	Brockton, Massachusetts
Soverhill, Emma L.	Tiskilwa, Illinois
Spangler, T. M.	Rockwood, Ohio
Sparks, Emmett M.	Martha, Kentucky
Spence, Samuel F.	St. Paris, Ohio
Sprechelmeyer, Orville R.	Vandalia, Illinois
Stanfield, O. E.	Edgemont, Arkansas
Stapleton, Daniel H.	Lone Wolf, Oklahoma
Staton, Cora June	Marshall, Oklahoma
Stauffer, E. W.	Spencer, Iowa
Steele, F. L.	Oakland City
Stephens, Agnes W.	Frederiksted, St. Croix, D. W. I.
Stephens, Clem D.	Mariette, Mississippi
Stephens, Richard F.	Frederiksted, St. Croix, D. W. I.
Stickley, Bruce K.	Strasburg, Virginia
Stimpson, George	Anamosa, Iowa
Stoerner, Fred	Ithaca, Michigan
Stoysnoff, Nich	Gary
Stromquist, Frank A.	Rockford, Illinois
Stromquist, Victor H.	Rockford, Illinois
Strudgeon, Ruth Ethel	St. Paul, Minnesota
Sullivan, Anna	Chicago, Illinois
Sullivan, Henry	Monroe, Michigan
Sund, Hilda	Chicago, Illinois
Swanner, Raleigh	London, Kentucky

Swanson, Reuben E.....	Prophetstown, Illinois
Sweeney, Bernard Hartlett.....	Methuen, Massachusetts
Swiont, Marian.....	Cleveland, Ohio
Tarnowski, Clemont W.....	Duluth, Minnesota
Tarpin, Ard.....	Detroit, Michigan
Taylor, Mabel.....	Urbanna, Virginia
Taylor, Ralph W.....	Augusta, Kentucky
Tibbets, Ellan M.....	Northampton, Massachusetts
Tick, Harry.....	New York City
Theocharidas, D.....	New York City
Thomas, Francis W.....	New York City
Thomas, Frank W.....	New York City
Thomas, F. Jessie.....	Libertyville, Illinois
Thomasson, Charles.....	Covington, Kentucky
Thompson, Grace.....	McGehee, Arkansas
Thompson, James.....	Middlebrook, Arkansas
Thorp, Ivan L.....	Sturgeon Bay, Wisconsin
Thurig, John B.....	Philadelphia, Pennsylvania
Thurman, Fred.....	Valparaiso
Tobinson, Mrs. Gertrude K.....	Chicago, Illinois
Trase, Earl.....	Daisy, Washington
Triplet, Thomas.....	Valparaiso
Trygg, Oscar A.....	Bismark, South Dakota
Tyl, Charles.....	English Lake
Turner, C. H.....	Switz City
Turner, Kathryn.....	Traverse City, Michigan
Turner, Ward.....	Leland, Mississippi
Tyler, Abraham.....	Reddick, Illinois
Tyler, Florence.....	Reddick, Illinois
Uhrenholdt, Christian.....	Haywood, Wisconsin
Ullrich, Alma.....	Lee Center, Illinois
Umpfelt, Chris.....	Kensal, South Dakota
Valance, Annette.....	Chicago, Illinois
Van Schaack, Calvin.....	Wilmette, Illinois
Varona, Modesto F. Guidi.....	Banes-Ote, Cuba
Vaugh, M. F.....	Jeffersonville, Georgia
Verklian, Mathew.....	Chicago, Illinois
Viols, Chism.....	Ripley, Tennessee
Waitzel, Sarah.....	Chicago, Illinois
Wallis, Russell.....	Barnett, Illinois
Walters, Alexander.....	Prince Rupert, British Colombia
Ward, Forrest.....	Burnt Prairie, Illinois
Ward, Harrison.....	New York, New York
Weaver, I. A.....	Onward
Weaver, Lawrence.....	Valparaiso
Webb, Susie L.....	South Point, Ohio
Weber, George H.....	Glenarm, Illinois
Weinsacker, Richard X.....	Mobile, Alabama
Weimer, Minne.....	Gilman, Illinois
West, Lawrence M.....	Ogden, Utah
Westwood, Ethel.....	Everly, Iowa
Wennerstrom, Gustav.....	Grason Oregrund, Sweden
Whalen, W. F.....	Binghampton, New York
Whisenhunt, Lona.....	Mira, Louisiana
Whisenhunt, O. P.....	Mira, Louisiana
White, Fred.....	Knox
Wiederhoeft, Wanda.....	Wausaw, Wisconsin
Wigodsky, Rebecca.....	Chicago, Illinois
Williams, Leone.....	Chattahoochee, Florida
Wiszowaty, Konstantiz.....	Makow, Lomza, Poland
Witmer, Waldo Hill.....	Livering, Michigan
Witt, Riss S.....	Meyersdale, Pennsylvania
Wood, Benjamin Glenn.....	Bluford, Illinois
Wood, William Henry.....	Shipman, Virginia
Wright, Ella R.....	Chicago, Illinois
Wu, Lond Y.....	Newark, New Jersey
Wurth, Albert J.....	Columbus Grove, Ohio
Wurth, Edward P.....	Columbus Grove, Ohio
Wynn, Eugene A.....	Murphysboro, Illinois
Yajkonski, Anthony.....	Wilkesbarre, Pennsylvania
Ydstie, Hjalmar.....	Red Lake Falls, Minnesota
Yeager, A. C.....	Halifax, Pennsylvania

Yelton, Raymond	Greenup, Illinois
Yerex, Vera	Valparaiso
Young, Leshia L.	Marissa, Illinois
Zabriskie, Cadmus A.	Passaic, New Jersey
Zemaitis, Ursuly	Chicago, Illinois
Zolp, John J.	Chicago, Illinois
Zieg, Vernon	Lucerne
Zihlman, Marie	Valparaiso
Zimmerman, H. J.	Muncie
Zitka, Josephine	Holyoke, Massachusetts

COMMERCIAL DEPARTMENT, INCLUDING BOOKKEEPING, PHONOGRAPHY AND TYPEWRITING

Adamson, O. L.	Richmond, Utah
Allen, J. W.	Collins, Mississippi
Anderson, Wm. E.	Hartford, Michigan
Andrews, Rex	Muncie
Aragon, Fermin F.	Aragon, New Mexico
Arthur, Agnes	Toledo, Ohio
Bedami, Frank	Denison, Texas
Baker, Don	Plymouth
Baker, Dorothy Juanita	Brainerd, Minnesota
Barnes, Guy E.	Topeka
Barnes, Owen M.	Trinidad, Colorado
Beilke, Walter	Wausau, Wisconsin
Belding, De Lop	Roswell, New Mexico
Belle, Irene	Valparaiso
Bennett, Daisy	Valparaiso
Betinis, Jim	Woodlawn, Pennsylvania
Bland, V. K.	Mouth of Seneca, West Virginia
Blankenship, T. C.	Mohawk, West Virginia
Blough, F. F.	Elkhart
Bohanan, John	Goodland
Bonnell, Chas.	Heron Lake, Minnesota
Boyd, Agnes Courtney	Colorado Springs, Colorado
Boyd, Wm. Oliver	Chicago, Illinois
Bradford, Livingston	Park Rapids, Minnesota
Bradford, Paul S.	Biloxi, Mississippi
Brandt, Conrad J.	Muscatine, Iowa
Brown, Ray	Prairie, Idaho
Brubaker, E. W.	Ohio City, Ohio
Brumfield, Roy	Fayetteville, Arkansas
Brummitt, Estella	Valparaiso
Bruns, Minnie	Valparaiso
Buchanan, Stella May	Adel, Iowa
Buchanan, Vera	Laurenceville, Illinois
Burns, Dennis	Iuka, Mississippi
Bushey, Fred	Wright, Minnesota
Castelli, Liverio	Dalzell, Illinois
Castillo, C. M.	Ponce, Porto Rico
Chandler, Arthur	Petersburg
Chandler, Robert B.	Springfield, Idaho
Chaves, Julio	Isabella, Porto Rico
Christoff, John	Burgas, Bulgaria
Clough, Gould A.	Crawfordsville
Coash, Ella	Valparaiso
Colby, Wendell	Kalispell, Montana
Comer, Emma	Wolcott
Cones, Chester A.	Thorntown
Coonrod, Paul	Monticello
Crain, Ada N.	Valparaiso
Crawford, Thurman	Humble, Texas
Creamer, Sadie B.	Boston, Massachusetts
Crockett, A. R.	Cambridge City
Cronkright, Howard	Chicago, Illinois
Cummins, Francis D.	Elkhart
Cummins, Helen Rosalie	Logansport
Cunningham, Bryan	Thompsonville, Illinois
Daniels, Trevor	Elwood
Dato, Edward Ali	New York, New York

Davis, Edward B.	Gilbertsville, New York
Davis, Ben	Morristown, Tennessee
Davis, Floyd	Mt. Erie, Illinois
Davis, Stanley	Oak Hill, Ohio
Davis, Troy V.	Crawfordsville
Denton, Kerne	Hammond
Dilman, Vernon M.	Topeka
Dixon, Walter E.	El Paso, Texas
Dolbee, Cenit	Boswell
Dowson, Paul R.	Wolcott
Dunn, Mike	Stanton, Missouri
Dutton, Ivan	Cattarangus, New York
Eames, Frank	Egg Harbor, Wisconsin
Eckman Helen B.	Columbus, Ohio
Echman, Nels Elmer	Paxton, Illinois
Edmark, K. W.	Warren, Pennsylvania
Elick, Jennie	Markle
Elliott, C. G.	Carbon, Texas
Ervin, Sarah	Hillsboro, Ohio
Farrell, Chauncey	Salida, Colorado
Fender, O. P.	Holmes, Arkansas
Fender, Pringle	Holmes, Arkansas
Fender, V. H.	Holmes, Arkansas
Fitzgerald, Elizabeth	Union City, Michigan
Fletcher, B. R.	Knox
Flowers, E. T.	Vinemont, Alabama
Foxworthy, Charles J.	Ladoga
Foxworthy, Rhoda	Ladoga
Frazer, Geo. J.	Corning, New York
Freeman, Cliff	Union, Mississippi
Fry, Everett N.	Royal Center
Gamble, F. R.	Cloquet, Minnesota
Garrett, Paul	Eddyville, Iowa
Garver, Arthur S.	Duncan, Arizona
Gates, Lee	Irma, Wisconsin
Geannelis, Iphigenia	Chicago, Illinois
Geffert, Geo. F.	Mishawaka
Gelden, Chas. W.	Grays Lake, Illinois
Gelky, Allen	Bardstown, Kentucky
Gilchrist, Clarence	Princeton, Illinois
Gilly, Dillard	Big Stone Gap, Virginia
Gollinger, Hubert G.	Minnising, Michigan
Godwin, C. D.	Fayetteville, North Carolina
Goodwin, Chester	Toledo, Illinois
Grabiell, Anna	Rushsylvania, Ohio
Gray, Oneal	Otwell
Green, R. R.	Knok
Greenwood, Raymond R.	Hickory Ridge, Arkansas
Gregerson, Louis	Buckingham, Illinois
Gross, J. Blaine	Swiss, West Virginia
Gross, Fred G.	Hillsview, South Dakota
Gundry, Charles F.	Duluth, Minnesota
Gypson, Lowell H.	Rome, New York
Haack, Herman F.	Elmwood, Wisconsin
Hageus, Nellie	Paxton, Illinois
Hakala, Hilda	Worcester, Massachusetts
Halsey, Gladys	Rardin, Illinois
Hanna, Mary E.	Greenfield
Haring, Nicholas	Mansfield, Ohio
Harp, Sara L.	Yeagertown, Pennsylvania
Hayden, Guy	Arlington, Kentucky
Heineman, Lila	Valparaiso
Hewitt, Gerald L.	Rosemae, Canada
Hill, Otto	Astoria, Oregon
Hillard, Harry	Crawfordsville
Hiser, Clem C.	Fort Wayne
Hobbs, Robert	Ogden, Utah
Hogan, Carl	Ashtabula, Ohio
Holloday, Easton B.	Louisiana, Missouri
Holmes, Roy J.	Wise, Missouri
Holmes, W. C.	Moline, Illinois

Hopkins, Ada	Loogootee
Hornbeck, Melvin	Royal Center
Howland, Myron E.	Tampico, Illinois
Huddleston, Dolle Mae	Valparaiso
Hundhausen, Theodore	Mercerburg, Pennsylvania
Hunt, Earl R.	Rose Hill, Illinois
Hunter, Frank M.	Williamsport
Iden, Samuel	Warsaw
Iglio, Angelo	Milwaukee, Wisconsin
Ivy, Herman	Morristown, Tennessee
Jackson, B. A.	Menominee, Wisconsin
Johnson, Edwin W.	Cloquet, Minnesota
Johnson, Guy	Elton, Wisconsin
Johnson, Kenneth E.	Rocky Ford, Colorado
Johnson, Wilbur	Eddyville
Jones, Lawrence A.	Arrowsmith, Illinois
Kaderabik, Claude H.	Sussex, Wisconsin
Kajander, Arlie	Kashabowee, Canada
Kaschak, Joseph	Emeigh, Pennsylvania
Kastich, George	Granite City, Illinois
Kennedy, J. H.	Providence, Rhode Island
Kepner, Dewey	La Clede, Illinois
Kern, Jno. O.	Muscatine, Iowa
Kerr, James M.	Titusville, Pennsylvania
Kerrins, Joseph A.	Chatsworth, Illinois
Klingensmith, Augusta	Washington
Klinger, Robert M.	Escanaba, Michigan
Kner, Aloys	Belgium, Wisconsin
Kohn, Philip	Lake Geneva, Wisconsin
Kottlowski, Alma	Indianapolis
Kraft, Christian	Gilman, Illinois
Kraenzler, Fred	Streeter, North Dakota
Krenz, William	Detroit, Michigan
Krisney, Josephine	Barnesboro, Pennsylvania
Kermick, Nich	Gibson
Kupris, Frank	Chicago, Illinois
Ladner, Ed	Eureka, South Dakota
Lain, Rollin	Culver
Leach, Thomas Eddie	Atwood, Tennessee
Lerch, Mary	Sligo, Pennsylvania
Lerch, Myra	Sligo, Tennessee
Le Mieux, D. C.	East Jordan, Michigan
Lemster, E. C.	Valparaiso
Levy, Jessie	South Bend
Liberty, Frank A.	Tomahawk, Wisconsin
Lien, Ingvald	Fargo, North Dakota
Lindquist, C. G.	Cromwell, Minnesota
Lindshog, G. W.	Geddes, South Dakota
Linguist, Herbert	Cromwell, Minnesota
Linguist, Oscar	Cromwell, Minnesota
Little, R. L.	Ravanna, Missouri
Littlefield, Roy	Exira, Iowa
Longanecher, Carl R.	Morrison, Illinois
Luter, Raymond	Hayden, Arkansas
Lytch, J. M.	Rowland, North Carolina
McAuliffe, Ralph E.	Wheeler
McClure, Ray	Opdyke, Illinois
McDermott, John	Crescent City, Illinois
McEndree, R. Mansell	Bloomington, Ohio
McFarlin, Lee R.	Ray, North Dakota
McKee, Robert L.	Oklahoma City, Oklahoma
Mackinnon, George	Valparaiso
Macmanus, R. F.	New York, New York
Madden, B. F.	Fayetteville, Tennessee
Mannula, Arthur E.	Astoria, Oregon
Maxwell, Clotilde	Gravette, Arkansas
Mauerer, Arthur	Benton Harbor, Michigan
Meagher, Helen	Valparaiso
Medler, Glen	Mt. Erie, Illinois
Merry, Earl	Dunkirk
Michelette, Italo	New York, New York
Mitchell, Wade R.	Wellsville, New York

Moffatt, W.	Big Piney, Wyoming
Monte, Jose	Navajida, Spain
Mooney, George	Kingston, Pennsylvania
Morris, Ward R.	Malden, Illinois
Morten, Casper	Kenmore, North Dakota
Moulds, Oliver L.	Lexington, Nebraska
Munson, Edna	Walton
Murphy, L. B.	Manitowoc, Wisconsin
Murphy, Virgil	Fostoria, Ohio
Murray, Elmer H.	Sullivan, Illinois
Neeley, Helen	Watersweet, Michigan
Nelson, Dupree	Ripley, Tennessee
Nelson, Nels	Hawkins, Wisconsin
Neperud, Louis	Pigeon Falls, Wisconsin
Newman, James	Valparaiso
Nickelsen, Herbert	Morrison, Illinois
Nickerson, Myron	Kinsman, Ohio
Nickerson, Ray W.	Emington, Illinois
Nicholson, Ralph A.	Southwick, Massachusetts
Nitteraner, Roy H.	Munsing, Michigan
Nolan, Mary	Valparaiso
Norton, G. P.	Hustler, Wisconsin
Ohlfest, Edward	Valparaiso
Oliver, Theodore	Lincoln, Michigan
Olson, Gladys	Valparaiso
Olson, Ingvar	Blue Earth, Minnesota
Orcutt, Dewey R.	La Porte
Ortiz, Arturo	Nogales, Arizona
Pahl, Louis H.	Valparaiso
Paige, O. R.	West Union, Iowa
Palmer, Irene	Haverhill, Massachusetts
Palmquist, James	Hastings, Pennsylvania
Paradise, Elynore	Valparaiso
Paris, Ida	Lakeview, Michigan
Parrish, C. J.	Fairmount, Illinois
Patrick, R. A.	Lifton, Georgia
Patterson, Mrs. Gilbert	Tampico, Mexico
Peters, Raymond	Mihoy
Peters, Winfield	Maple Creek, Sask., Canada
Peterson, Philip	Malmo, Alberta, Canada
Petterson, Oscar A.	Callao, Peru, S. A.
Picard, Agnes	Valparaiso
Pierce, Curtis	Dawson, Texas
Pierce, Laura E.	Nevada, Iowa
Pike, J. T.	Arrowsmith, Illinois
Pinney, Florence	Middlefield, Ohio
Polakes, Felix P.	Westville, Illinois
Potter, Harold	Durand, Illinois
Prindle, Wybam	Minneapolis, Minnesota
Ranney, Glen B.	Leslie, Michigan
Raycraft, Jno. W.	Alma, Michigan
Ray, Louis	Kankakee, Illinois
Reegan, C. H.	Bentonla, Mississippi
Redmond, Frank	Dooley, Montana
Regez, Olive E.	Monticello, Wisconsin
Rezninkel, Glenn	La Clede, Illinois
Rhoades, Charles T.	Converse
Richman, Miss Eva L.	Villa Grove, Illinois
Rimer, Marion	Franklin, Minnesota
Riordan, Thomas	New York, New York
Risk, O. W.	Memphis, Missouri
Roach, Marie	Walton
Roberts, Arlie	Marbleton, Wyoming
Robinett, Harley	Brookport, Illinois
Robinsen, Chris H.	Van Metre, South Dakota
Ross, Otis	Dearing, Kansas
Ross, Paul	Hebron
Rubeno, Ralph	Philadelphia, Pennsylvania
Russell, Fred	Ashville, North Carolina
Russell, R. F.	Great Falls, Montana
Russell, Raymond	Great Falls, Montana
Russell, Rudyard	Dyer

Rutledge, N. Carter	Fayetteville, Tennessee
Sagan, Mark	Chicago, Illinois
Sagstrom, Hannah	Chicago, Illinois
Sample, T. R.	New Castle, Pennsylvania
Schatz, J. H.	Temvik, North Dakota
Schlieder, Paul	Catawissa, Pennsylvania
Schlieder, Allen R.	Catawissa, Pennsylvania
Schroeder, Arthur E.	Clarno, Wisconsin
Scott, Viola M.	Valparaiso
Scoville, Samuel	Lebanon, Ohio
Sell, John, Jr.	Wausau, Wisconsin
Shaw, Neil	Culver
Sharfman, Anna	Chicago, Illinois
Sidle, Charles L.	Kendallville
Sinnen, Raymond	Cedar Grove, Wisconsin
Simpson, Albert	Davenport, Iowa
Skaer, Georgia	Valparaiso
Skaer, Maude	Valparaiso
Skinvik, May	Hagen, Wisconsin
Smith, Fred H.	Fort Smith, Arkansas
Smith, Orvil D.	Rudyard, Montana
Smith, Roger G.	Rudyard, Montana
Smith, S. W.	Linzburg, Louisiana
Sommerville, Charlotte	Bad Axe, Michigan
Sommerville, Olive	Bad Axe, Michigan
Spencer, J. H.	Sedan, Kansas
Stakeman, Eric R.	Christiansted, D. W. I.
Staley, Preston	Valparaiso
Standley, Charley E.	Van, Pennsylvania
Steen, Charley	Otwell
Steen, Lawrence	Otwell
Stiles, Jessie	Valparaiso
Stone, Freda	Union City
Stringer, William E.	Cooperstown, North Carolina
Swanson, R. A.	Prophetstown, Illinois
Swigart, Amos W.	Wichita, Kansas
Switters, Alyce	Prophetstown, Illinois
Sykes, Grace	Valparaiso
Tackes, J. W.	Fredonia, Wisconsin
Taft, James W.	Waterbury, Connecticut
Tanner, W. L.	Stonefort, Illinois
Tennant, Charles R.	Fairview, West Virginia
Thatcher, Hazel	Valparaiso
Thomas, Andrew	Csenger Ujfalú, Austria-Hungary
Thompson, Robert B.	Amarillo, Texas
Thompson, J. L.	Bastrop, Louisiana
Thomas, W. J.	Winnipeg, Canada
Thorson, Harvey	Hawkins, Wisconsin
Tierman, Paul H.	Charleston, West Virginia
Tick, Harry	New York, New York
Tobin, Helene	Wakefield, Michigan
Tomilson, James J.	Ogdensburg, New York
Tompkins, Lee	Indianapolis
Toohill, Margaret	Chateaugay, New York
Turner, H. B.	Mina, South Dakota
Tutt, E. N.	Greenup, Illinois
Underwood, Marion	Greenup, Illinois
Van Ness, J. A.	Valparaiso
Van Rell, Louis A.	Sta. Clara, Cuba
Van Wye, Grace	Niles, Ohio
Vigil, Estanislao	Los Lunas, New Mexico
Walsh, Eugene	Kingston, Pennsylvania
Warren, L. H.	Wyoming, New York
Washburn, Glenn D.	Fowler
Watson, Edwin	Elkhart
Watson, Richard	Union City, Tennessee
Walters, Clarence	Craig, Missouri
Wawzyniak, Stanley	Chicago, Illinois
Weaver, William	Vining, Iowa
Webb, Herbert	Cedaredge, Colorado
Weeks, L. L.	Skaneateles, New York
Whalon, Eileen	Detroit, Michigan

Wheeler, Richard	Valparaiso
Wildermutt, Dwight	Logansport
Wiles, Robert A.	McDonald, Pennsylvania
Williams, Dean	Freeport, Ohio
Williamson, Thomas R.	New Durham, New Hampshire
Wilson, G. W.	Billings, Montana
Winkler, Mrs. E. F.	Sandpoint, Idaho
Wolff, Henry A.	Benton Harbor, Michigan
Woodburn, Lincoln	Casey, Illinois
Woodruff, Flora	Lorain, Ohio
Woodrun, Clarence	Galva, Illinois
Worden, Ethylan	Rolling Prairie
Yeager, Florence	Passiac Park, New Jersey
Yewall, Morgan	Bardstown, Kentucky
Yoder, Emer	Topeka
Zeller, Donald	Wheeler

REVIEW FOR TEACHERS

Adams, O. L.	Water Valley, Mississippi
Allen, Kathryn	Greencastle
Anderson, Lola	Kentland
Applegate, Bryant	Hebron
Atherton, Esther	North Judson
Atkinson, Andrew	Chrisney
Baldwin, Survylla	Morocco
Ball, Charles	Saltillo
Balsley, Erma	Bremen
Bannwart, Clara	La Porte
Barnet, Flora	Logansport
Bartie, Jennie	Scottsburg
Bartlett, Florence	Anderson
Baske, Martha	La Porte
Baughman, Ferne	Royal Centre
Baughman, Ottie	Mulberry
Beard, Millard	Tippecanoe
Bell, Clarence	Argos
Benson, Elsie	Mount Ayr
Bernhard, Margaret	Hibbard
Bess, Bertha	Rose Lawn
Bess, Merna	Rose Lawn
Bessler, Elizabeth	La Porte
Bessler, Glenn	Hanna
Billiard, Nellie	Crawfordsville
Blessing, Florence	Michigan City
Bock, Miss Mae	Wanatah
Bonifiled, Lynn W.	Argos
Borg, Blanche	Valparaiso
Bowmar, Mabel	Wellsboro
Bowman, Anna	Petersburg
Bowman, Ray	Somerset
Bowyer, L. V.	Willshire, Ohio
Braun, Setonia F.	Greenwood, Wisconsin
Brazzill, Ann	Michigan City
Brenzihofer, George	Tippecanoe
Bridgeman, Leta	Morocco
Brown, Tellar	Scottsburg
Brown, Tina	Scottsburg
Bunch, Viola	Lakeville
Bunnell, Mildred	Hamlet
Burden, Bessie	Inwood
Burkhardt, Vola Clare	Greenfield
Busart, Mildred	Culver
Byrns, Harry F.	St. Anne, Illinois
Carlson, Esther	Frankfort, Illinois
Carson, Ruby	Indianapolis
Cassel, Ruth	Logansport
Caston, Russell	Ossian
Chapman, Margherita	Rome City
Chester, Jennie	Hobart
Clawson, Bertha	San Pierre
Clawson, Orlyn J.	San Pierre

Cole, Junia Mae	Vevay
Corts, Della M.	Star City
Cotner, Sadie	Lake Cicott
Cowan, Helen	Pleasant Mills
Cowger, Vera	Monticello
Cox, Willis B.	Helmer
Coyner, Pauline	Owasco
Craig, Lola	Scottsburg
Crane, Lee	Star City
Curran, Catherine	Greencastle
Dachwald, Veola	Westville
Dahucke, Emma	Tefft
Danielson, Ruth	Lakeville
Darrah, Bernice	Scottsburg
Davidson, Evelyn	Valparaiso
Davidson, Martha	Valparaiso
Davis, Emily N.	Plymouth
Deffendahl, Grace	Petersburg
Denault, Delia	Herscher, Illinois
Dillon, Mrs. Kittie	Winslow
Dodds, Porter	Casey, Illinois
Donahue, Marie	Martinton, Illinois
Dotterer, Kenneth	Loree
Duckwall, Madge Alma	Bunker Hill
Dunn, Edith	Palmer
Dyer, Irene J.	Bonfield, Illinois
Elder, Roy A.	Knox
Erickson, Martha	Chesterton
Evans, Mary E.	Bonfield, Illinois
Filer, Thelma B.	Hebron
Fitzpatrick, Cleora	Auburn, Illinois
Fleenor, Mabel	Scottsburg
Fleischauer, Mary	Mulberry
Flora, Mabel	Cutler
Flora, Maurine	Brnghurst
Foutz, Doris	Royal Centre
Friday, Esther Ruth	Medaryville
Fritz, Wm. Addis	Winamac
Frushour, T. Allen	Logansport
Gage, Audrey	Ligonier
Garrard, Harriet	Kingsburg
Gates, Hildegard	Lucerne
Gilsinger, Carl	Pulaski
Good, Iva	Knox
Gorsline, Louise	Logansport
Gould, Lillian	Walkerton
Gould, Ruth	Walkerton
Graham, Morton E.	Logansport
Grant, Lois I.	Royal Centre
Green, Pearl	Michigan City
Greer, Armetta Fern	Argos
Grindle, Amelia	Monterey
Gruber, Gertrude	Manteno, Illinois
Gruver, Charles	Gatchel
Gruver, Elsie	Gatchel
Guild, Frances	Medaryville
Guinn, Gertrude	Morocco
Hagendon, Lola	Tell City
Hall, Hildreth	Lucerne
Hansen, Sophia	Lake Village
Hargrove, C. M.	Reyno, Arkansas
Hartwick, Cora	Winamac
Hartwood, Agnes V.	Logansport
Henser, Clara M.	New Salisbury
Henser, Raymond	New Salisbury
Hershman, Bertha	Medaryville
Hicks, Alpha	Royal Centre
Hill, Grace N.	Decatur, Illinois
Hoesel, Alpha	Winamac
Hoffer, Earl	Groverton
Hollenback, Ella	Noblesville
Holst, Margaret	Valparaiso

Hornbeck, Melvin	Royal Centre
Houck, Reba	Gaston
Hough, Beulah	Oelwein, Iowa
Howard, Lee	Alfordsville
Huff, Ada	Rensselaer
Hugli, Rose	Union Mills
Hullihan, Ella	Riverside
Humeau, Adele	Hebron
Hyssher, Silas Quincy	Reynolds
Jackson, Agnes M.	Knox
Jarrett, Elizabeth	Lubbock, Texas
Jay, Alice S.	Gas City
James, Hazel	Oswego
Jeffers, Irene	Roanoke
Johnson, Esther	Logansport
Johnson, Helen	Decatur
Johnson, Nettie	Oxford
Julian, Mattie	Logansport
Kaley, Lila	Knox
Keel, Roy	Westville
Keiser, Edna E.	Knox
Keitzer, Marguerite	Logansport
Keitzer, Wilbert	Monterey
Kellemer, Ross	Lillydale
Kenworthy, Ray W.	Valparaiso
Kerr, Hope	Wolcott
Kessinger, Minnie	Rensselaer
Keyes, Belle	Yorktown
Kimmet, Clara	Lowell
Kimmet, Leo	Lowell
Kincald, Edward	Palestine, Illinois
King, Wallace H.	Plymouth
Kirkhoff, Henry D.	Sheldon
Kistler, Dewey	Royal Center
Klein, Bertha	Demotte
Kline, Anna M.	Huntington
Kline, Emma F.	Huntington
Krusemark, Clara	Frankfort, Illinois
Kretschmar, Ella	Crown Point
Krause, Georgia	Noblesville
Kyle, Margaret	Walkerton
Lam, Maud	Linton
La Master, W. C.	Mitchell
Landon, Opal	Wawauka
Landram, Vava	Moberly, Missouri
Lang, Lucy	New Carlisle
Lois, Larrick	Darlington
Little, Edith	Rockfield
Leavitt, Edna	Bay City, Michigan
Leist, Genevieve A.	Michigan City
Lester, Anna C.	Mulberry
Lewis, Pauline	Kersey
Lowery, Carl	Fishers
Lowery, Mabel	Fishers
Lyman, Marie	Morocco
McAuliffe, Frances	Wheeler
McBrom, Ethel	Bremen
McCandless, Orpha	Pence
McCarty, Ruby	Crown Point
McCormick, Irwin	Tomahawk, Wisconsin
McDonald, Dessie	Plymouth
McDonald, Helen E.	Valparaiso
McFadden, Ruby	Kankakee, Illinois
McFarland, Eleanor	Culver
McGinley, Ruth	Valparaiso
McGovern, Leona	Essex, Illinois
McKesson, Edna	North Liberty
McKinney, Pauline	Kempton
McRae, Mona M.	Elizabeth
Mallett, Lola	Thayer
Masters, Isa	Onward
Mayo, Gracia	Battle Ground

Melson, J. M.	Oxford
Metcalf, Kathryn	Lowell
Meyer, Frank	Pulaski
Millbranth, Lydia	Wanatah
Miller, Marguerite	La Porte
Misner, George	Pleasant Lake
Mock, Herschel	Kentland
Molter, Rose E.	Kentland
Mount, Alma	Scottsburg
Mount, Ethel	Scottsburg
Mourey, Secilia R.	Monroeville
Mulligan, Elizabeth	Essex, Illinois
Mulligan, Margaret	Essex, Illinois
Murray, M. Ruth	Reddick, Illinois
Murphy, Ellen	Kankakee, Illinois
Myers, Edna	Montgomery
Myers, Fred V.	Montgomery
Naegele, Emma	Tell City
Nagle, Estella	Oxford
Nelson, Ethel	Cedar Lake
Newman, Mabel	Michigan City
Nixon, Harmon S.	North Judson
Noyes, Geo. O.	Monon
Oler, Dwight M.	Plymouth
Orange, Loraine	Boswell
Osborn, Ethel	Wanatah
Oskins, Jacob	Dale
Overmeyer, Wm.	Rochester
Overmeyer, Blanche	Culver
Overmeyer, Esta	Culver
Overy, Geo. A.	Wolcott
Painter, Vera Belle	La Fountaine
Pearce, Betle	Lowell
Pemberton, R. A.	Oxford
Pence, Beulah M.	West Lebanon
Penrod, Philip	Bremen
Peters, Alma	Cutler
Peterson, Marie	La Porte
Phillips, Edith L.	Star City
Phillips, Rolland	Wanatah
Piepho, Ida	Dyer
Pierce, Murray	Bunker Hill
Pinter, Pauline	Wheatfield
Pope, Gladys	Wellington, Illinois
Potts, Beulah	Morocco
Poulen, Pelma	Logansport
Pound, Adria	Oswego
Powers, Nellie	Star City
Purcell, Lois	Bruceville
Puterbaugh, Frank	Hoover
Quinn, Agnes	Mill Creek
Railsback, Carl	Argos
Ray, Josie	Tell City
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Rice, Mary	Valparaiso
Riechke, Anna	Reynolds
Riggle, Blanche	Griffith
Roberts, Evalyn H.	Boswell
Robinson, Elizabeth	New Albany
Roe, Doris Cecile	Huntington
Rogers, Errett A.	Royal Centre
Ruff, Jewell	McAlester, Oklahoma
Ruppelt, Etta	Steamboat Rock, Iowa
Schultz, Edna	Attica
Scott, Hazel	Delphi
Shaw, Nellie	La Porte
Sheedy, Alonzo	Manila
Sheviak, Mary	Wanatah
Short, Elsie	Michigan City
Short, Myrtle	Michigan City
Shreffler, Cora	Bonfield, Illinois

Shreffler, Mabel	Bonfield, Illinois
Sines, Thelma C.	Logansport
Smith, Dolores	Linton
Smith, Helen	Logansport
Smith, H. J.	Clinton, Louisiana
Smith, Mae	Logansport
Smith, Nancy B.	Carmet
Snyder, Fay	Rackfield
Sonburg, Esther	La Crosse
Sonburg, Marie	La Crosse
Spannuth, Eda	Noblesville
Sparling, Mabel	Hebron
Spear, Ira	Valparaiso
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Stafford, Harold L.	Logansport
Stenerson, Edith	Lowell
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Strahan, Verna	Winchester
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Strom, Hazel	Hobart
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